



FINAL REPORT

DEVELOPMENT OF FLIGHT-SAFETY PREDICTION METHODOLOGY FOR U. S. NAVAL SAFETY CENTER

June 1969

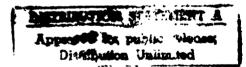
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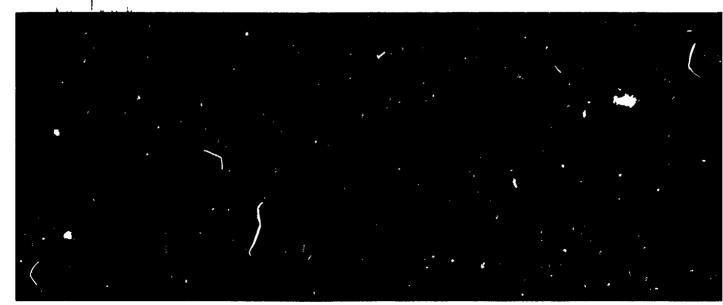
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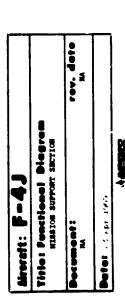
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ARINC RESEARCH CORPORATION





Section G

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The methodology developed encompassed functional analysis of the F-4J aircraft, assessment of the importance of safety-sensitive functional paths, and the construction and exercising of a mathematical mode! to arrive at a numerical measurement of the safety criticalities of aircraft equipments.

The results of this effort are presented in the text and appendices to this

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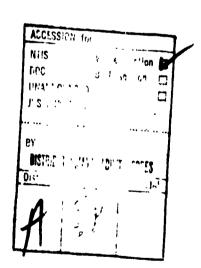
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FOREWORD

In 1965, ARING Research Corporation began to explore the desirability and practicability of an objective quantification of flight safety. The investigation, which included a comprehensive review of current flight-safety activities, suggested the feasibility of developing a quantification technique.

An Air Force-funded study by ARINC Research in 1967 demonstrated the feasibility of a predictive technique based on system reliability characteristics. A methodology was developed for providing flight-safety indicators sensitive to changes in equipment malfunction rates, in their effects on the mission, and in unit or fleet operations. This methodology, in conjunction with accident data, permits timely predictions of accident potential, and can contribute to design evaluation and operational planning by providing a degree of safety assessment previously unavailable. The Air Force continued funding of this effort to develop the mathematical models for the F-106 aircraft.

In June 1968 the Naval Safety Center contracted with ARINC Research Corporation to extend this methodology to the F-4J aircraft.

The first months of this effort were devoted to data surveys, collection of flight data, acquisition of aircraft documentation, and formulation of criteria for adapting the Air Force mathematical model to the Navy application. Results of this initial effort appear in the first interim report under this contract.* The report also describes the techniques to be applied in identifying functional relationships and assessing safety sensitivity.

The second interim report,** describes the development of functional diagrams and safety sensitivity assessments for the F-4J aircraft. The functional diagrams and an example of safety sensitivity analyses are presented in the appendices.

^{*} Development of Flight-Safety Prediction Methodology for U. S. Naval Safety Center, Nov. 1968, Publication 753-01-1-938.

^{**} Development of Flight-Safety Prediction Methodology for U. S. Naval Safety Center, April 1969, Publication 753-01-2-968.

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CONTENTS

1.	TECH	INICAL AP	PROAC	Ή.	.•,	•		•		•	•;		•;			*		•;	•	1-1
	1.1	General .				٠	•;		٠			•,		•,	٠					1-1
	1.2	Concepts			•	•		•	٠	•		•				•	•;			1-1
	1.3	Application	1		•	٠	•	•;	•	•	•	•	•	•	•	•	•	•	•	1-2
2.	ANAI	YSIS	œ.												•.					2-1
		Data Source																		
	2.2	Aircraft D	esign D	locu	men	tati	on						•	•						2-3
	2.3	Model Dev	elopme	nt .	*		٠		٠		w.	•					•;	٠,	٠,	2-5
		Functional																		
	2.5	Sensitivity																		
	2.6	Criticality																		
3.	CONC	LUSIONS			•				•	•	*	•	•	٠	•	٠	•		•,	3-1
API	PENDIX	A: FUNCT	IAKONT	. AN	AL	ysi:	S O	F F	'-4.	J A	IRO	CR.	AF1	Γ.,	•	•,	•		•.	A- 1
APF	PENDIX	B: EQUIP	MENT	SAF	ET?	Y C	RIT	CIC	AL	ITY	P	RI	TC	UI	•	•	٠	•,	•.	B-1
API	PENDIX	C: COMP	UTER I	PRO	GR <i>A</i>	MS	S Al	ND	LIS	TI	NG	S .						_		C-1

1. TECHNICAL APPROACH

1.1 GENERAL

The purpose of this program was to extend the previously developed flight-safety measurement and prediction methodology to Naval aircraft and data systems. The analysis is designed to evaluate malfunction data with respect to the safety implications that are uniquely associated with each phase of the mission profile. Through this effort the safety criticality of malfunction occurrences can be quantified, thereby allowing correction of flight safety problems on a safety-priority basis.

At the outset of this study, ARINC Research conducted a functional criticality assessment of the F-4J aircraft. Criticality indices were developed which are sensitive to the flight phase in which the aircraft is operating, the degree of exposure to malfunctions in these phases, and the impact of this exposure on safety

Identification of the safety criticality of malfunction occurrences, when fully developed and implemented, can be used in the prevention of accidents. This can be achieved through problem identification based on data from all Navy and Marine aircraft.

The scope of this effort was limited to analysis of equipment functions and their relevance to flight safety. Flight safety problems such as pilot error, avoidance of air traffic, or enemy action can only be evaluated by this methodology to the extent that, should they cause loss of function (malfunction) of the aircraft equipment, the resulting degradation in safety can be assessed.

1.2 CONCEPTS

The mathematical model, and thus the safety methodology, is based on the premise that an aircraft is in a safe condition if it is operating within its prescribed performance limits. The model thus does not consider ejection capability, parachutes, life rafts, etc., which do not make an aircraft safer, per se, but provide for the survivability of the pilot when the aircraft is unsafe.

The elimination of personal injury and property damage is the objective of all safety efforts. However quantification of these factors is not suitable for predictive purposes, being of value primarily as an after-the-fact performance indicator. The safety quantification methodology developed by ARINC Research does not use dollar risk as the quantification parameter because the magnitude of this value is influenced by factors not inherent to the aircraft system, but usually to location and happenstance. Therefore, this technique assumes that dollar-damage is an "effect" of being unsafe. The parameter of safety quantified by this approach is a measure of how often the aircraft will be in a condition to cause damage (accident exposure).

The probability of an aircraft being in a condition to cause an accident can be expressed as the probability of an event multiplied by the conditional probability that the event will cause accident exposure. Stated in equation form,

$$P_{aj} = P_j \times P_{a/j}$$

where

Pai is the probability of an accident exposure due to event j;

P_i is the probability of occurrence of event j; and

Pa/j is the probability of accident exposure given that event j has occurred (Sensitivity Factor).

In terms of malfunction contributions to accident exposure, P_j can be thought of as the probability of failure j, and $P_{a/j}$ as the probability that the occurrence of failure j will result in accident exposure. The probability of accident exposure, P_{aj} , is referred to as the Safety Criticality, and can serve as a parameter for ranking the safety significance of events.

The Sensitivity Factor $(P_{\mathbf{A}/\mathbf{j}})$ can be used to weight malfunction occurrence data to determine which malfunctions most degrade system safety. Sensitivity factors will often vary with mission phase, reflecting the change in malfunction importance with changes in the operating requirements associated with these phases.

The predictive ability of the flight-safety quantification technique is based on the identification of event-occurrence trends that indicate probable changes in accident rate.

1.3 APPLICATION

Under the present effort a criticality assessment model for the F-4J aircraft was developed. The resulting criticality indices are responsive to the flight phase in which the aircraft is operating, the exposure to malfunction in these phases, and the impact on safety of this exposure.

The identification of safety-problem criticality in operational aircraft provides the visibility necessary for arriving at decisions to mod or not-to-mod, optimizing of cost versus safety, and evaluation of the adequacy of corrective actions.

When included in routine periodic malfunction data processing programs, criticality trends can be identified and corrective actions implemented, thereby preventing the occurrence of accidents due to the identified cause.

This safety criticality assessment methodology could also be applied prior to an aircraft becoming operational. The assessment of safety sensitivity during the design phase of aircraft procurement can alert project management to potential trouble areas and functional weaknesses.

2. ANALYSIS

In this section is discussed the development of a capability for assessing problem criticality with respect to flight safety. The development comprises the six major tasks discussed in the following subsections

2.1 DATA SOURCE SURVEY

A survey of available Navy data was made to determine its adequacy and applicability relative to a flight safety model, and any modifications necessary to the Air Force model to accommodate Navy data.

The Naval Safety Center's data bank was found to be adequately recording the malfunctions registered by the "3-M" data system, and the capability already exists within the Center for computing mean time between failure (MTBF) from 3-M failure information coupled with flight times reported on pilot debriefing forms (vellow sheets). As in the case of the Air Force math model (designed for application to the AFM 66-1 data system), the "When Discovered" codes used in the 3-M system are inadequate for describing the length of time an aircraft is exposed to malfunctions—a basic input to the safety-prediction math model.

An investigation was conducted to determine the impact on the predictive ability of the methodology if only total malfunctions versus total airframe hours were available. Data collected from the Aerospace Defense Command during the earlier Air Force study were examined from this standpoint. It was found that, due to a significant chang, in failure rate with flight time and mission phase, failure probabilities computed on the basis of a constant failure rate throughout the mission were unrealistic. It was therefore concluded that some form of data screening must be performed in order to provide accurate measurements of malfunction exposure.

Due to the magnitude of the effort required to collect all flight-phase information from all navai aircraft, it was decided to initiate an experimental data-collection and analysis program that would provide the data necessary to determine actual malfunction exposure with respect to the total number of failures experienced. The Naval Safety Center arranged for this data collection effort to be conducted at the VF-121 Squadron, Miramar Naval Air Station.

For this effort, ARINC Research compiled a manual for coding pilot-reported malfunction symptoms. The method of symptom coding is unique in its ability to allow machine processing of informal pilot "squawks." This Navy manual was adapted from that used by the Air Force Aerospace Defense Command in its Interceptor Sortie Evaluation Program, though extended to reflect the F4-B/J aircraft and naval mission requirements. Additionally, ARINC Research developed an experimental pilot debriefing questionnaire (Figure 1). These debriefings, held in the Maintenance Control Center following each sortie, provide first-hand (aircrew) information on any malfunction of the aircraft, detailed mission profile information for each flight, and the flight-purpose code.

This data-collection effort was begun in September 1968, and data were compiled from 1000 sorties flown by VF-121. Data received by ARINC Research from the squadron were reduced to computer-punchcard format for analysis of exposure indices.

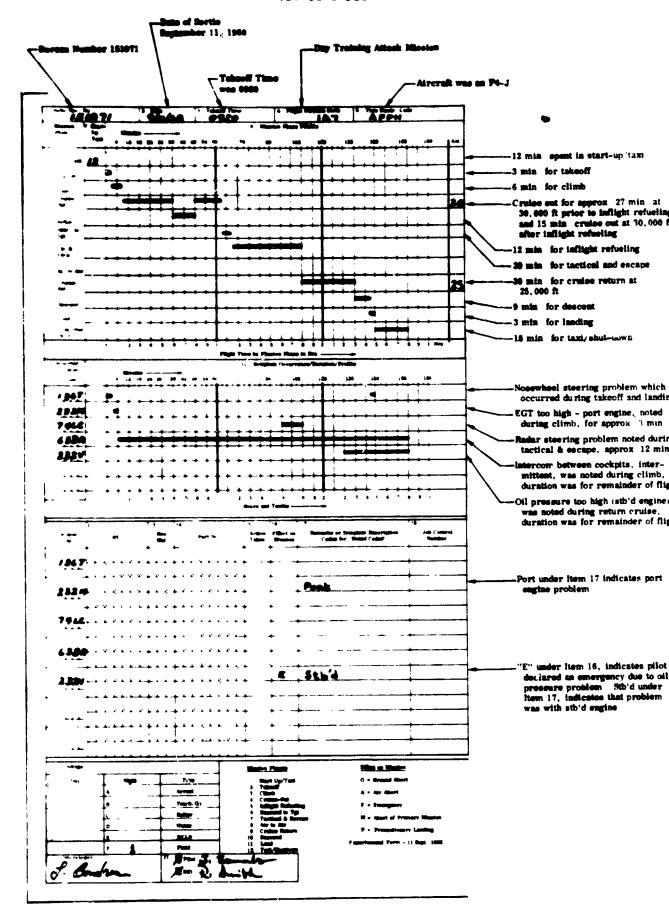


Figure 1. Sample Form

The information was then analyzed to determine the correlation between the number of failures reported and the actual exposure to failure during flight.

The Miramar data were first screened to eliminate CARQUAL and FCLP missions, thereby representing only missions in which mission phases are sequential and nonrepetitive. Naval Safety Center flight-time and 3M data for the Manual Flight Control System were compared vith the corresponding VF-121 data and found to agree closely in both average flight time (within two minutes) and failure rate. Because of this good correlation, the method of assessing failure probability by mission phase was established as 1) computing the "average mission" failure probability

$$(P_F = 1 - e^{\frac{\text{No. failures}}{\text{No. flights}}})$$
*:

and then 2) determining the ratio of aircraft in a failed condition to the total aircraft in each light phase. The ratio of the percent failed per phase to the mission failure probability was computed for each aircraft system for each mission phase. These values are listed in Table 1. In criticality computations utilizing 3M data, these values are used as weighting factors for mission-phase failure allocations. These allocations were used with the applicable safety sensitivity assessment to arrive at the mission phase criticality of malfunctions.

2.2 AIRCRAFT DESIGN DOCUMENTATION

The Naval Safety Center supplied ARINC Research with a complete set of Maintenance and Illustrated Parts Breakdown manuals for the F-4J aircraft. These documents served as the basis for functional analysis and the assessment of safety sensitivity. The adequacy of these documents is comparable to that of the equivalent documents on which the Air Force analysis was based.

A review was made of the documentation available at ARINC Research on the F-4C aircraft, as compiled under the IROS program for the Air Force. Diagrams constructed during this program identify the functional relationships of equipments required for mission success. With respect to a safety sensitivity assessment, however, the objective of the functional analysis must by definition be different; therefore this documentation was primar'ly of value in identifying Work Unit Codes for various aircraft equipments.

Due to the differences in the Navy/Air Force versions of the F-4, and the difference in the purpose of the two safety efforts, the functional analysis under the Navy contract did not utilize the Air Force F-4C documents. They were used only as a reference in cases where questions arose as to how the aircraft operates.

^{*}This equation reflects the application of the traditional reliability equation, $R = e^{-\lambda t}$, modified to apply to only the average mission time ($\frac{\text{Total Time}}{\text{No. of Flights}}$). Because λ is equal to the number of equipment fallures divided by the total flight time, the exponent becomes equal to the number of failures divided by the number of flights

TABLE 1. RATIO OF FAILURE PROBABILITY*

				THE PROPERTY OF THE PROPERTY IS	וחומטמס				
Mission Aircraft Phase				Railo of Failure Probabilities**	ailure Pro	babilities	*		
/	1	2	3	થ	2	9	7	8	6
Airframe	0.2784	0.3476	0.3382	0.3374	0.7100	0. 7263	0.4800	0.5497	0.6346
Fuselage Compartment	0.4053	0. 7394	0.7489	0.6788	0.7942	0.8059	0.8083	0.8916	0.8951
Landing Gear	0.0503	0.4108	0,2597	0.2037	0,1753	0.2421	0.2118	0.6209	0.8603
Flight Control, Manual	0.3936	0.4803	0.5254	0.5840	0.5526	0.7494	0902.0	0609.0	0.7922
Flight Control Augmentation	0.2755	0.6541	0. 7550	0.4984	0.9662	0,8912	99. 7766	0.8547	0.8309
Engine	0.4694	0.6206	0.4536	0.4540	0.4318	1.0290	0.4610	0.4850	0.5424
Air Condit/Pressurization	0.3309	0.4202	0.4264	0.3919	0.7210	0.5949	0.4341	0.5080	0.5804
Electrical Power	0.1603	0.3814	0.4421	0.3245	0.2159	0.1268	0.5570	0.3026	0.2672
Lighting System	0.3615	0.4297	0.5593	0,5711	0.6295	0.8705	0969.0	0.6805	0.8470
Hydraulic/Pneumatic	0.5000	0. 2038	0.3098	0.4049	0.1170	0,6422	0.4207	0.5151	0.9031
Fuel	0.4126	0.4613	0.5103	0.6684	0.3843	0.5292	0.5196	0.5534	0,7027
Instruments and Indicators	0.4767	0.6825	0,7127	0.6658	0.8235	0.7725	0.8330	0.8916	0.8817
Computer (CADC)	0. 5000	0.8152	0.9301	1.0810	0.7027	0,8024	1.0500	1.0290	0.9993
Autopilot Assist	0.3353	0.4582	0.6970	0.6074	0.3916	0.1798	0902.0	0.6930	0.5611
UHF	0.4126	0.6130	0.7187	0.7658	0.8893	0.9915	0.9248	0.9332	0.9485
IFF	0.8106	0.8216	0.8377	0.8540	0. 7320	0.8647	0.9460	0.9240	0.9004
TACAN	0.3936	0.5940	0.6040	0.6619	0.8344	1.0260	0.8937	0.8547	0.8329
ADF	0.4490	0.8247	0.8335	0.9735	0.6222	1. 2913	0.9460	0.9240	0.8951
Navigation Computer	0.8893	0.7584	0.7731	0.8047	0.5124	0, 7206	0.7766	0.7715	0.7481

*Tabulation by system of ratio of failure probability for each mission phase with respect to the mission failure probability, $1 - \Theta$ No. Flights (Data were collected from VF-121 flights at Miramar Naval Air Station.)

**See footnote at bottom of Page 2-5.

2.3 MODEL DEVELOPMENT

At the outset of this program. it was anticipated that the existing Air Force flight safety model could be adapted in a limited-utility format for routinely processing Navy data to arrive at flight safety measurements. The initial idea was to use the total number of failures and the total flying hours to arrive at an average MTBF, and from this to compute the probability of failure. The latter quantity, together with the sensitivity estimate, would then provide a meaningful malfunction exposure and/or a cident exposure index. Upon investigation, however, the available information was found to be inadequate and inaccurate. Recognizing this factor, the Naval Saiety Center agreed that, rather than have an early model with these properties, it would be far more desirable to embark upon an investigation to determine how best to arrive at an accurate model.

The first step in the subsequent activity was the initiation of a sample data collection program at Miramar. This effort resulted in obtaining actual equipment malfunction exposure measurements from which the basic factors affecting malfunction occurrence could be examined.

The construction of a safety analysis criticality assessment model responsive to both the probability of failure and the significance (sensitivity) of each occurrence and be exercisable with 3M data was successfully completed. In equation form, the criticality of each Work Unit Code (WUC) is assessed as follows:

$$\overline{C} = \sum_{n=1}^{n=q} \left[\left(1 - \epsilon^{\frac{F}{f}} \right) m_n \neq S_n \right]$$

where:

C = total criticality of the Work Unit Code

n = mission phase number*

m_n = failure probability correction factor computed from the VF-121 data (Table 1)

q = provisory factor discussed in Section 2,5

 $S_n = mission phase sensitivity of the failure$

F = number of 3M reported failures

f = number of flights over which the 3M data was collected.

This equation, then, represents the probability that a piece of equipment will cause accident exposure in an aircraft flying an average mission profile (i.e., a mission made up of the nine mission phases is considered to be of about 100 minutes duration).

1 - Start and Taxi 4 - Cruise - Out 7 - Descent 8 - Land 2 - Takeoff

5 - Bombing, Air-to-Air, etc.

3 - Climb 6 - Cruise - Return 9 - Taxi-Shutdown

^{*}Mission Phases are numbered as follows:

The criticality of each WUC is computed for each functional path that has a safety effect. The resulting quantity can then be applied to rank the WUC's in order of their safety criticality and therefore their current importance (on the basis of 3M data) with respect to flight safety.

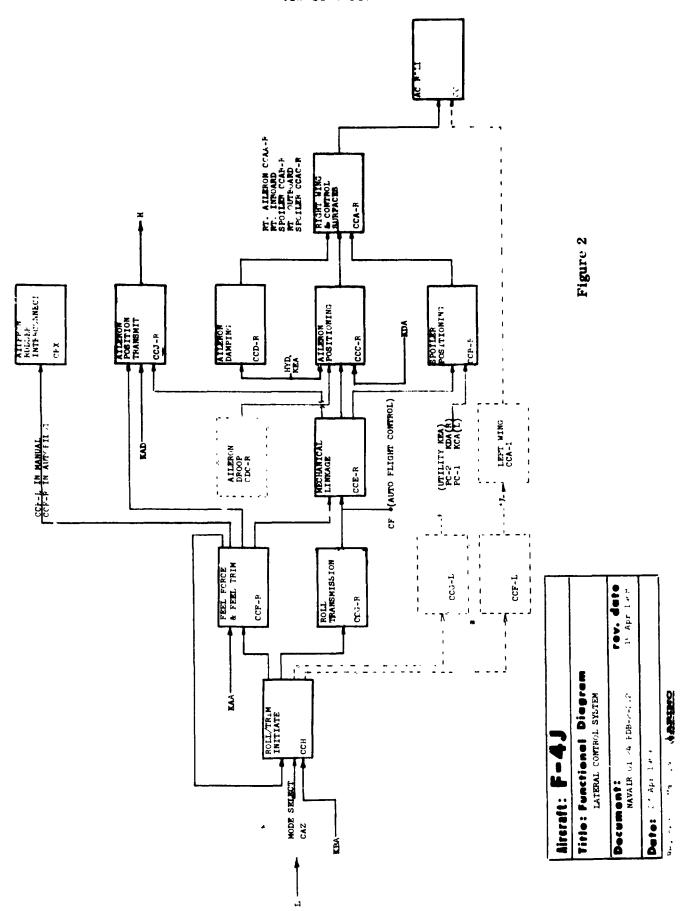
2.4 FUNCTIONAL ANALYSIS

The first step in generating equipment criticality indices for pinpointing aircraft safety problems was to identify the primary functions of the F-4J aircraft. The aircraft was first subdivided into nine primary and two support functions, the latter functions being "Utilities" and "Pilot." Designated as primary functions were those generally common to all aircraft and for which the necessity is readily apparent in each flight phase. These primary functions, which can be identified independently of the equipment necessary to perform them, represent the tasks that the equipments perform. The support functions are more equipment-oriented. For example, under the primary function "External Environmental Control" the aircraft was divided into three functional groups: "Anti-Ice," "Lighting," and "Rain Clear." These groups were then further subdivided and charted into functional diagrams depicting 1) the various events necessary to achieve them, and 2) the inputs from other functions. In general, these diagrams are laid out showing, from left to right, the inputs, the function performed, the outputs, and the events achieved.

The next step was to identify the items of equipment required to accomplish each subfunction or function. Equipment identification is normally made at the WUC level, thereby identifying how a WUC contributes to the accomplishment of a function.

Each function of the aircraft carries an indentured "alpha" code indicating the primary safety sensitivity path, thus serving as an index for machine locating purposes. The diagram of Figure 2, for example, identifies the Aircraft Roll function as CC, which requires inputs from CCA-R and CCA-L, the right and left wing control surfaces, respectively. Because of the complexity of aircraft systems and the interdependency of one system on another, no consistent universal indenture system (from function to subfunction, etc.) is possible. One example of the problem, as can be seen in several of the diagrams in Appendix A, is the formation of functional loops. If all the diagrams applicable to an aircraft were combined, the total diagram would be so tangled with these loops that no meaningful analysis could be made. Accordingly, ARINC Research elected to follow the procedure of subdividing the aircraft into the nine primary and two support functions, identifying the input requirements for each and recording each functional relationship in a punchcard format. This procedure was followed down to the WUC level. A computer program was designed that could identify and document each functional path.

Performing the path identification/documentation task by computer proved to be not only useful but necessary. As an example, for a single WUC in the flight control system, the computer identified and documented 182 functional paths in which this item affected the aircraft. The human analyst could never be expected to keep track of 182 functional paths or be expected to assign a numerical sensitivity to each. The machine processing allows the human analyst to consider only one functional link at a time. The ability to be able to follow all of the functional interrelationships within the aircraft is necessary for meaningful assessment of the safety.



2-7

Appendix A to this report contains the functional relationship diagrams applicable to the F-4J aircraft. Most of these diagrams have been revised since the publication of the second interim report (ARINC Research Publication 753-01-2-958) in April 1969. Revisions were necessary to reflect more clearly and accurately the interrelationships of the functions.

Following each section of functional diagrams in the appendix is a listing of the functional and WUC relationship cards for that section. This listing identifies the equipment required to accomplish each subfunction, and the functions required to accomplish the next higher level function. The functional-link safety sensitivities are included in the individual cards and in the format of the printout.

2.5 SENSITIVITY ASSESSMENT

The process of assigning sensitivity values consists primarily of evaluating how much a particular function is needed for the next higher function. At the functional level immediately below a primary function, sensitivities are assigned for each mission phase. The assigned value is from zero to one, representing an estimate of the percentage of the time that the loss of the function would result in an accident (a condition in which the aircraft cannot be operated within its prescribed performance parameters). By performing this process at the functional level, the assignment of relative values across these major funct are can be made uniformly, according to their relative importance.

Each link was thus assessed until the major functions of the aircraft were reached. At this point the sensitivity of these highest level functions were assessed independently for each of the significant mission phases for the aircraft. For instance, the landing lights have a safety significance of zero for all mission phases other than landing. Each sensitivity value was reviewed by a group of ARINC Research analysts at least three times to assure uniformity of criteria and standardization of numerical assignments. These sensitivity values were included in each functional relationship card.

Certain systems have a safety significance dependent on external influences, and for this situation Provisory Factors are identified. An example of this would be a windshield anti-ice system, which has a safety significance of close to one during landing under icing conditions but has a zero significance on a dry, warm day. In this example, the significance is identified as unity (worst case), and a Provisory Factor is assigned. By application of these factors (for instance, assigning a percentage of the time that icing conditions are present), relative equipment sensitivites can be tailored to the conditions of a particular flight or geographic area. The provisory factors used in the sensitivity assessment of the F-4J are listed, together with their code identifiers, in Table 2.

The sensitivity of each functional link, together with applicable Provisory Factors, are compiled in punchcard format, permitting sensitivity computations (the multiplying of all sensitivities from the equipment along each path up to the major function) to be performed by computer. This allows the sensitivity of WUC's to be assessed, regardless of the complexity associated with multiple and duplicate path relationships.

TABLE 2. PROVISORY FACTORS USED IN SAFETY SENSITIVITY ASSESSMENT OF F-4J AIRCRAFT

Code	Provisory or Conditional Factors
A	Ice
D	Night
E	IFR
F	Supersonic
G	Rain
K	Normal system failed
N	Drag chute failed
P	Cerrier takeoff
Q	Carrier landing
s	Wheel brakes failed

The functional path identification/documentation program discussed in Section 2.4 multiplied the "link" sensitivities at each step in the path for each mission phase. A computer printout showing the path and sensitivity values for each WUC cannot be included in this report because of the bulk of such a printout. However, Figure 3 is a reproduction of a typical printout page.

The path and the path sensivity information is stored on magnetic tape and is suitable for demand interrogation ch specific paths, functions, or WUC items. These data are used, in the criticality computations discussed in Section 2.6. A copy of this tape is being furnished to the Naval Safety Center.

2.6 CRITICALITY MODEL EXERCISE

The second secon

Criticality assessment consists of 1) selection of the mission of interest—in this case, the average mission; 2) selection of the Provisory Factors for the applicable conditions; 3) inclusion of failure probability numbers; and 4) computation of the product of equipment failure probability and safety sensitivity (as modified by the Provisory Factor) for each phase of the mission. The criticality identified is then proportional to the accident exposure being created by each piece of equipment on the aircraft.

A criticality computation program was developed which would accept 3M failure data (by WUC); compute the mission probability of failure,

$$(1-e^{-\frac{F}{f}});$$

apply the mission phase weighting factor; and multiply this value by the mission phase sensitivity.

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ALPHA TITLE	LEFT ALLERON ABBENELY LEFT WING CONTROL BURYACES ALREADY ROLLS	Right Alleron ASSV Almerart Roll Almerart Roll	Allenow Positioning Left wing control surfaces Ainfairt Roll Plight Controls	LAT CTAL ROD ABBY ALLENON PORITIONING ATTENDED CONTROL SURFACES ATTENDED CONTROLS	DAMPER CYLINDER ABBY ALLERON DAMPING LEFT NING CONTROL BURFACES ALRONAT ROLL ALRONATOLS	DAMPER CYLINDER ABBY AILERON DAMPING RY WING CONTROL BURFACES AIRCRAFT ROLL FLIGHT CONTROLS	AllERON POWER CONTROL CYL AllERON POSITIONING LEFT WING CONTROL SURFACES AIRCRAFT ROLL FLIGHT CONTROLS
ALPHA	288°	222°	8888.	2020 o	2828° 2828°	2077.0 2077.0 5 8 8	20000
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Figure 3. Example: Functional Path Sensitivity Printout

The mission phase criticalities are then summed over the mission to obtain the total mission criticality. Criticalities were computed for each WUC alpha designator (i.e., each individual component) by dividing the total number of failures by the number of alpha designators, thereby treating each as a separate item. The WUC criticality for those items, where more than one item of that WUC is installed, is then the summation of the criticalities for each alpha designator applicable to that WUC.

The Naval Safety Center supplied the failure and flight data for the 12 months of May 1968 through April 1969, and a criticality model exercise was completed. Appendix B contains the results of this model exercise. The flow chart and program listing are contained in Appendix C. For purposes of this model exercise, all provisory factors were set to zero. Therefore the criticalities in Appendix B are representative of a "perfect" mission environment with field takeoff and landing and the presumption that emergency backup systems are available but not needed.

753-01-3-982

3. CONCLUSIONS

The use of the criticality computation model with the monthly 3M data processing will permit not only identification of the current month's critical problems, but also allow for the examination of undesirable safety trends.

Thus a capability has been developed for providing flight-safety indicators sensitive to changes, in equipment malfunction rates, in their effects on the mission, and in unit or fleet operations. This methodology, in conjunction with accident data, permits timely predictions of accident potential; and can contribute to design evaluation and operational planning by providing a degree of safety assessment previously unavailable.

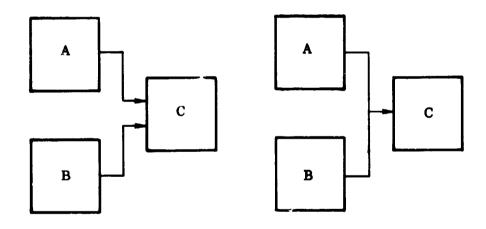
APPENDIX A FUNCTIONAL ANALYSIS OF F-4J AIRCRAFT

A.1 GENERAL

This appendix contains the results of the functional analysis performed by ARINC Research for the F-4J aircraft. The tab locators identify nine primary and one secondary functional aircraft system (no diagram is included for the "Pilot"). The functional sections are lettered and the pages numbered according to function level. The title block on each functional diagram identifies the NAVAIR documents (including dates) used in construction of the functional diagram. In cases where the NAVAIR document described several configurations for aircraft block groups, the latest configuration was used for the diagram.

Wherever possible, diagrams are laid out with the inputs on the left side of the page and continuing through the sequence of events to the final function on the right side of the page. Unlike a reliability block diagram, in which blocks in series indicate a tying together physically of equipments, the series of blocks in these diagrams will indicate that if all of the input events to the left of a block occur, and the equipment unique to the functional block is operating, then that function will have been performed.

A form of shorthand logic symbology was used to depict the functional relationships, in which each input to a functional block which enters with a unique arrowhead can be considered AND functions, and inputs whose function lines are joined prior to the arrow entering the next functional block can be considered OR functions. Figure A-1 represents this relationship.



A and B are needed for C.

Figure A-1

A or B is needed for C.

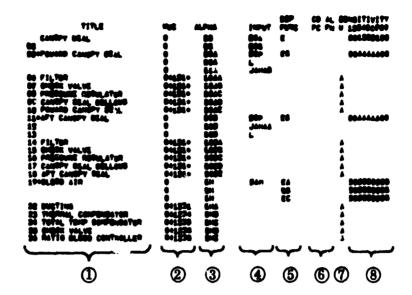
A.2 ORGANIZATION

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The functional description portion of this appendix is divided into ten sections. The first section describes the aircraft, in general. This diagram depicts the primary aircraft functions, together with the alpha designator assigned to each. For instance, the alpha designator "A" will prefix all functions and equipments associated with ground control of the aircraft, all of which will be found behind Tab A, Ground Control. On the tab sheet will be the functional breakdown of the primary function, together with a listing of the order in which the diagrams will appear. Following the diagrams in each section will be a computer listing of the function cards, showing inputs required and dependent functions; and of work unit codes, together with the function and in the functional chain to which the WUC operation contributes. The WUC's used to identify equipment types are as documented in NAVAIR 01-245FD-8, revised 1 June 1968.

If more than one piece of equipment with the same WUC is installed in the aircraft, each will be identified with a different alpha designator. If the same piece of equipment performs more than one function or operates in more than one functional branch, it would maintain only one alpha designator for all of the applications. This, therefore, provides a method for determining whether one piece of equipment has many effects, or whether many pieces of the same equipment are used in the aircraft, each providing one or many different effects.

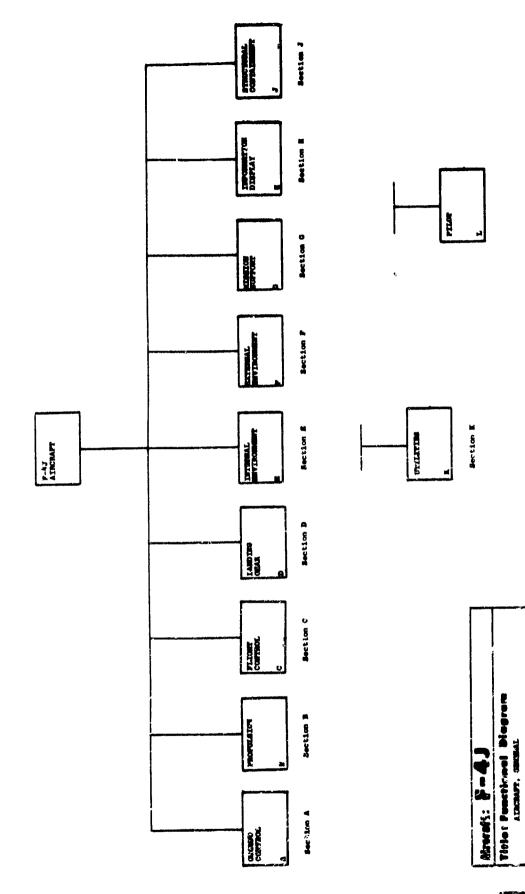
The following page provides a guide for reading the printouts in this appendix.



- ① Function or Equipment Name
- (2) Work Unit Code Number

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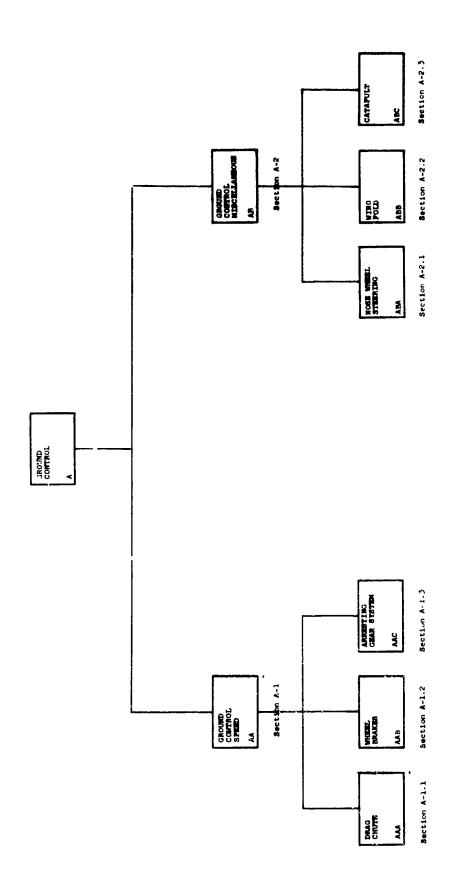
- (3) "Alpha" Designator for WUC or Function (may be preceded by an R or L indicating right and left)
- 4 Functional "Inputs" Required
- (5) Dependent Functions of Function listed under "Alpha"
- 6 Conditional or Provisory Factor and Alpha Designator for alternate function if applicable
- Sensitivity value for WUC with respect to function listed above it. (Values are A = 1.0, 9 = 0.90, 8 = 0.80, etc.)
- 8 Functional Sensitivity with respect to the listed dependent function by Mission Phase



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Bection A

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WHEEL BRAKES AAB

Aircraft: F-43

Title: Functional Diagram

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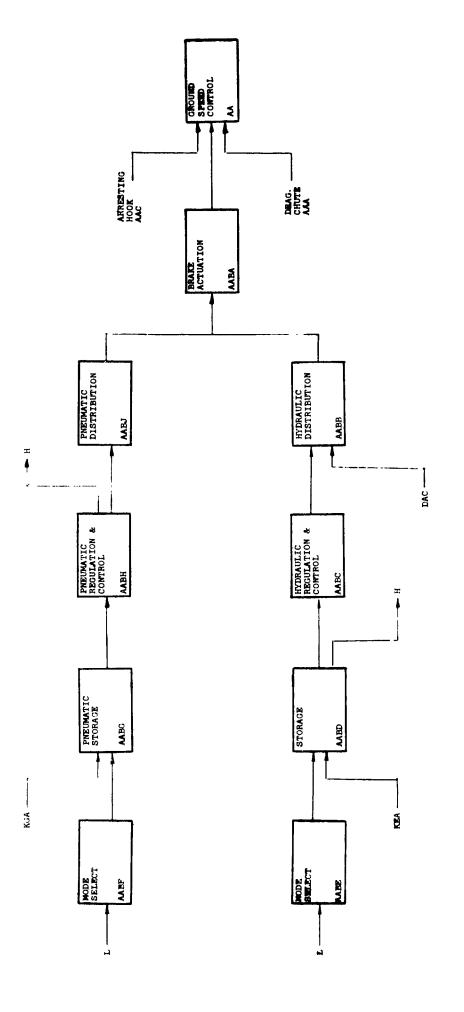
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15 Jun 19-8

Date: 25 Apr 19-9

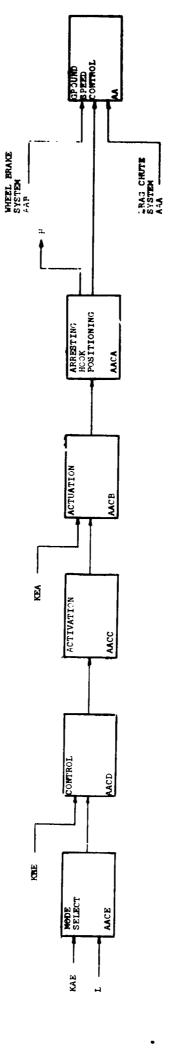
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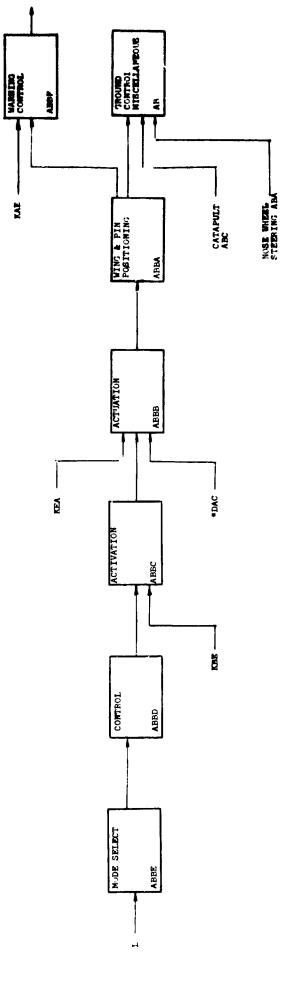
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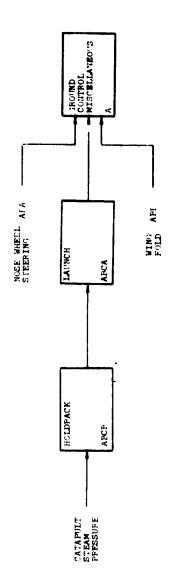


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	TITLE	WUE	ALPHA	IMPUT	DEP FUNC	CO AL SEMEITIVITY FC FN W 183436760
	CROUND SPEED CONTROL	1	AA	4444		300000013
37		i	ĀĀ	444		20000000
37		i	A A	AAL		
	DRAS CHUTE INFLATION	i	ŽŽAA	AAAR	44	KCAABA 82000048
	DRAG CHUTE INFLATION	i	AAAA		AAAH	008325000
48	DRAG CHUTE CANGEY		10 AAAA			A 0400-12000
-	DRAG CHUTE DEPLOYMENT	1	AAAR	AAAC	4444	*******
42	RISER		20 44484			<u> </u>
43	RISEN LINKS		AB ABABC			Š
-	DRAS CHUTE EXTRACTION	1	ALAC	AAAD	AAAB	44434444
45	PILOT CHUTE	193212	SG AAACA			A
46	MRICLE.	193212	MILALA BA			Ā
47	CHUTE CONTAINER BAS	193211	AAACC			Ā
	DRAG CHUTF ACTUATION-CONTRA	.1	MAAD	AAAE	AAAC	*****
49	CHUTE DOOM	193213	AAADA			A 55565555
90	ACTUATOR	193214	CZAAA			Ã
91	DOOR LATCH MECHANISM	193214	AAADC			Ā
92	DOOR HINGE	193215	ALADO			Ā
93	RELEASE CAULE	193112	AAARE			Ã
94	HOOM ASSLMULY	193113	AAADF			Ā
55	LOCK MECHANISH	193114	AAADG			Ā
54	CABLE FAIRLEAD/PULLEY	193115	AAADH			Ā
	TORQUE TURE ASSEMBLY	173114	LUBER			A
	HOD ASSEMBLY	193110	AAAUN			
	CAN ATTACH LINK	17311A	AAADL			Å
40	BELLCRANK ASSY	193118	AAADM			A
	MODE SELECT	1	AAAE	L	AAAU	*****
		1	FFFE		AAAF	00000000
43	DRAG CHUTE HANDLE	193111	AAAEA			A
	JETTISON ACTUATION	1	AAAF	AAAE	TARE	****
	RELEASE EXT SPRING	193117	ALAFA			A
	MELEASE MECHANISH KEEPER	197110	AAAFI			A
	HELEASE SUITCH	193110	AAAFC			▲
44	PRAKE ACTUATION	1	AABA	LBAA	44	CN 100000051
•-		1	AABA	AAMP		
	WHEEL BRAKE ASSE-BLY	113418	MAABAA			4
71	WHEEL BRAKE ASSEMBLY	113410	LAABAB			A
	HYDRAULIC DISTRIBUTION	1	4400	AABC	AARA	35333353
?3		1	AA BO	DAC		
	CHECK VALVE-HYD RETURN-A/S		RASBRA			•
	CHECK VALVE-HYD HETURN-A/S		LAABRE			•
	TWO WAY RESTRICTOR	11341	AABOS			
"	CHECK VALVE-HYD INLET	11341	44885			•
	CHECK VALVE-ANTI SPIN	113410	44 00 £ 44 00 £			•
	TUBING	11341	AADOG			•
	NYD REGULATION + CONTROL	11341.	AABC	AAND	AARA	* ****
	THE RESIDENCE A CONTINUE		2007	n=0·/		******

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				DEP	CD AL	SENSITIVITY
TITLE	WUC	ALPHA	INPUT	FUNC		W 173454789
AZ ONE WAY RESTRICTOR-INLET	113410	MAABCA				ė.
03 ONE WAY RESTRICTOR-INLET	11341	FAVER				
84 ONE WAY RESTRICTOR-RETURN	113414	PAAUCC				Ą
BS ONE HAY RESTRICTOR-RETURN	11341+	LAABCD				4
86 BRAKE CONTROL VALVE	113411	PAABCI.				A
87 BRAKE CONTROL VALVE	113411	LAABCF				A
STORAGE	1	AABD	AABF	AARC		*****
10	1	AABD	KET	H		*****
90 AIR CHARGE VALVE	11342					A
91 ACCUMULATOR	113425	AABDS				A
HODE SELECT	1	AABF	L	AARG		****
93 BRAKE PEDAL	113410	PAABFA				A
94 WRAKE PEDAL	113416					A
95 RUDOLR PEDAL LINKAGE	113412	MAABFC				٨
PA RUDDER PEDAL LINKAGE	113415	LAABFD				A
97 BELLGRANK	113414	RAABFE				A
98 BELLGRANK	113413	LAABFF				A
MODE SELECT	1	A A B E	L	AABD		****
AD MANOLE	113421	a a b f a				A
AS LINKAGE	113483	ALBEN				A
PNEUMATIC STORAGE	1	AABG	AABF	AABH		****
43	1	AABG	KGA			
A4 VENT RELIEF VALVE	11342+	AABGA				A
AS AIR BOTTLE	113424	A A D G B				A
PNEU REG . CONTROL	1	AABH	AABC	LARJ		****
	1	AABH		H		000000010
AS AIR SELECTOR VALVE	113422	AABHA				A
AP CHECK VALVE	113420	AABHO				4
PNEUMATIC DISTRIBUTION	1	LOAA	AABH	AARA		****
R1 FILTER-SCREEN	11342+	AABJA				A
BE PHEUMATIC LINES	11342+	AABJU				A
*ARRESTING HOOK POSITIONING	1	AACA	AACB	AA	JN	010000040
	1	AAGA		H		030000010
03 HOOK AND FAIRING ABBY	113850	AACAA				A
VERTICAL DAMPER CYLINDER	113911	AACAB				À
OS HORIZONTAL DAMPEN	113916	RAAGAC				5
OG HORIZONTAL DAMPER	113916	LAACAD				5
OF CENTERING SPRING CYL ASSY	113514	PAACAE				5
DE CENTERING SPRING CYL ASSY	113816	LAACAF				5
DO AIR-OIL MANIFOLD	113919	AACAG				À
10 AIR CHARGE VALVE	113914	AACAH				A
ACTUATION	1	AACR	AACC	AACA		4444444
12	1	AACB	KEA			
13 BLEEDER PLUG	11391.	AACBA				A
14 TWO WAY RESTRICTOR	11391+	AACBU				A
19 HOOK UPLATCH MECHANISTM	113916	AACBC				A
16 TUBING	11391.	/ ACBD				A
ACTIVATION	1	AACC	MACO	AACB		*****

TITLE	***	ALPHA	[WVI	NEP FUNC		# 193456709
30 LINE DELYA METAA WANET 10 EMBER ANTAE 19 BOTEMOIN BETECLOM ANTAE	11704 11704 11704	43564 • 43564 • 23644 •				•
S3 SUNGE DAMPER	1 1 11301	44C9 44C9 46S44	MACE	3366		A44A4444
24 S AMP FULE 25 AMBESTING GEAR CONTROL ON 20 CONTROL CAGE ARAY 27 PALLEYS-FAIRLEAD.	11301	AACDC				
MODE SELECT	11301	AACE	Kat	19C)		*
33 MOSK DEWL THAT SPITCH 32 FEREN DEWNING FIRE 30 CONTROL TENEN 30 CONTROL TENEN 30 CONTROL TENEN	11391 11364 11393	L AACEH				•
33 HOST UP LINIT SHITCH 36 WARMING LITE SHITCH 37 SAMP FUSE HIBC GROUND CONTHOL	11363 11364 11363	AACES				
MOSE WHILL PORTTION ACTUAL	2	48 48 49	APAA ABU APC			102222271
OF PAREMING BONFH N'14	į	4844 4844 1	ARAC	4848		44444444 44444444
72 SFRVO VALVI 03 COLLAM/SLAN ASSEMBLY	213341 213340 213340	ARAAG				•
FEEDBACK POSITION INFO 35 FOLLOW UP POTENTIONETER DISTRIBUTION	2 2 2 2 3 3 4 7	ABARA ABARA ABAC	ARAN	4844		*******
OF SELECTR VLV RETURN FOR VLY	2 21334• 21334•	3484 43484	RFA	484		*******
OP PRESS CHECK VLV-A4 18 PRESS CHECK VLV-63 11 FILTER ASSV	21334	ABACC				•
ACTIVATION 13 SELECTOR VALVE	213344 2 213344	DARA	AMAE	48AC		
SIGNAL TRANSHISSION 15 ACCELOROMETER POWER RELAY 16 COMMAND POTENTINGETER	213340 213344	ABAEA	AMAF	4840		
17 AUX ATR DOOR RELAY CONTROL 19	\$1133.	MEFA	ARAG	4841		
19 20 CONTROL UNIT	? ?13343	ARAF ARAFA	анар Кан			.
21 LNONG GEAR CONTROL SHITCH 22 MOTIONAL PICKUP TRANSDUCER 23 HMLG SCISGOR SHITCH	213112 213344 213830	AMAFL				
TITLE 24 NOSE CEAH DOWN LIMIT SWITCH	HUC	ALPHA	1MruT	NLP FUNC	CD AL S	SFWSITIVITY I 173456784
MOD SELECT	?	Daamaa Arag Arag	KAO	484+	4	*
27 NOSE WHEEL STEERING SWITCH 28 RUDDER PEDAL 29 RUDDER PEDAL	214420	araga Raragu Laragc	-			
30 TORQUE TURE 31 DAMPING 32 POWER UNIT COMPENSATOR	21334C 2 213341	aragu Arah Lraha	ARAG		i	040000040
33 COMPENSATOR CHECK VALVE 34-LAUNCH 39 LAUNCH/TOW HOOK	213346 2 213611	ARAMB ARCA RARCAA	AHLH	AB		070100000
36 LAUNCH/TÖW HÖÖR 37 HÖLDBACK 36 HOLDBACK FITTING	213611 2 213612	LABCAU ABCR ABCRA		AUCA		04000000
39 TENSION WAR 410WING AND PIN POSITIONING	213613	40CB4 4004	ABOR	40	:	
43 WINGFOLD PIN PULL CYLINDER 44 WINGFOLD PIN PULL CYLINDER 45 WING WING!	714011	4964 R48644 L4884U		484	4	******
46 WING HINGP 47 W/F PIN ACTUATOR BAR	21481 • 21481 • 21481 •	RANGAU Langau Rangal			4	
ACTUATION 50	214 818 2	PADDAL LADDAF ADDA ADDR	APBC KFA	4874	Ā	****
50 51 WINGFOLD ACTUATOR CYLINDER 52 WINGFOLD ACTUATOR CYLINDER	; 214012	40004 R40004	DAC			
34 THO WAY RESTRICTOR-SPREAD	214 6 1 • 214 01 •	RABBBC			•	
ACTIVATION	214 01• 214 01• 2	RADDOU LADDOU LADDOUF ADDC	4 56 0	A 986	Ā	****
OD PIN PULL SELECTO- VALVE	2 214614 214 6 14	400C PADOCA LADOCB	KAF			
ST MINGFOLD SELECTOR VALVE	214015	RABBCU LABBCU ABBC	. 5.5.2		A	
44 WING SPREAD LIMIT BUITCH	14823	RABBOA LABBOB RABBOC	ARGE	188 C	4	4444444
AS MANUAL PIN OUT LIMIT SWITCH	214 022 214 02	RABBOT			À	
SO FOCKEIN IN FIRST BRITCH	11482+	HABBRG HABBRG			A	
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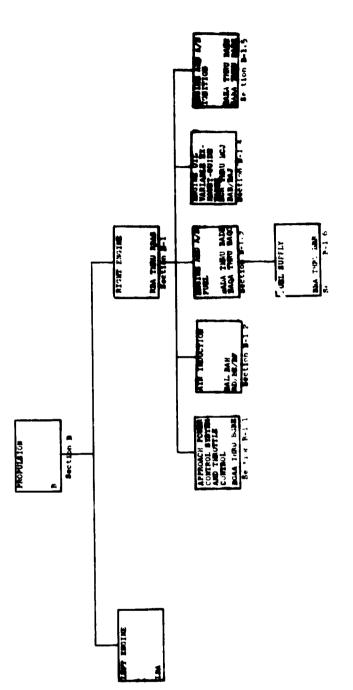
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MODE SELECT 73 windfrin control twitch 74 windfrin control den 75 windfrin control den 75 windfrin control den 77 Locarin control den 77 Locarin control den 78 house control waterie control 48 81 fuo cocarit litt test reci 82 aft cocarit litt test reci 83 fuo cocarit litt test reci 84 aft cocarit litt test reci 85 fuo cocarit litt test reci 86 fuo cocarit litt 86 aft cocarit litt 88 aft cocarit litt 88 aft cocarit litt 88 aft cocarit litt	1721 466- 1721 466-	LAGOFC LAGOFU RAGOFF RAGOFF	A ng a Kat	AGAIL.	AAAAAAAA A A A A A A A A A A A A A A A

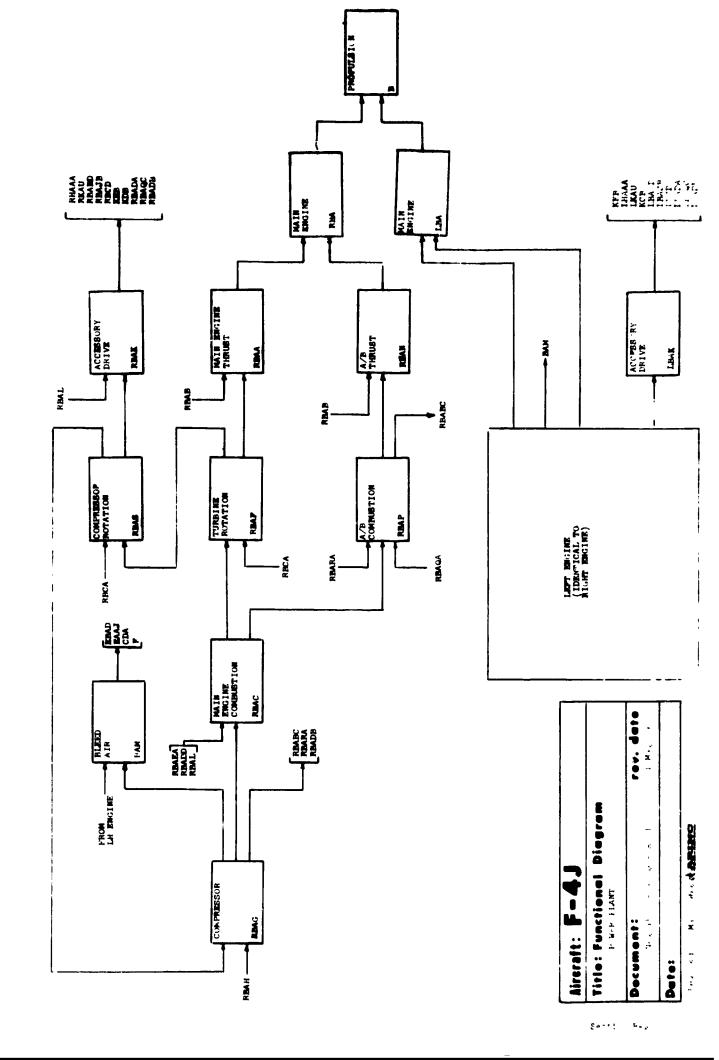
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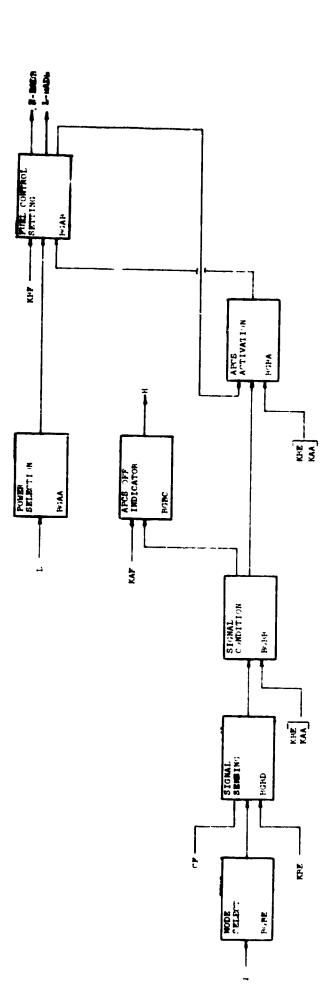
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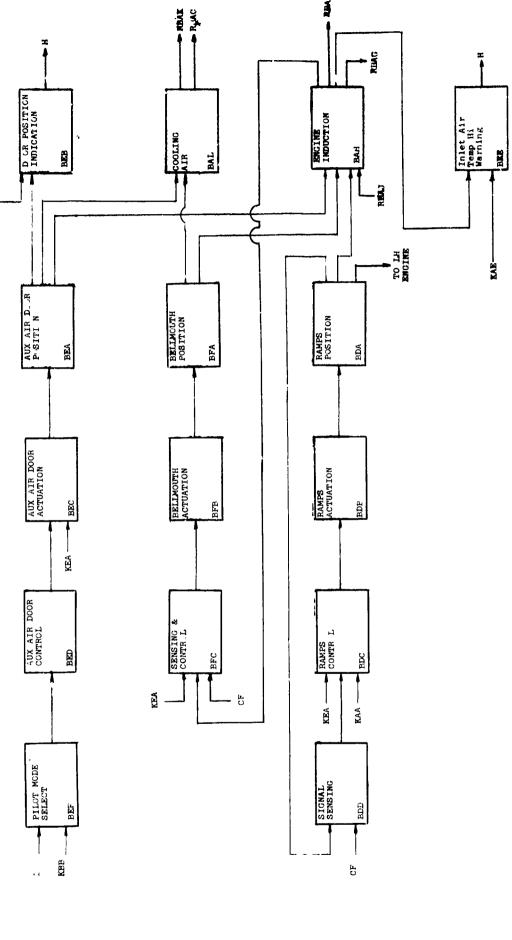




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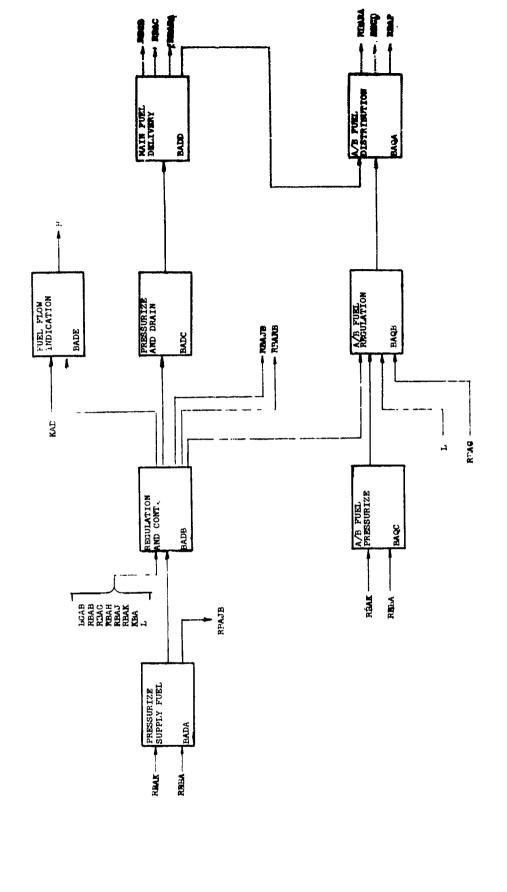
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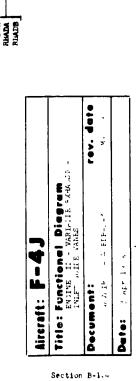
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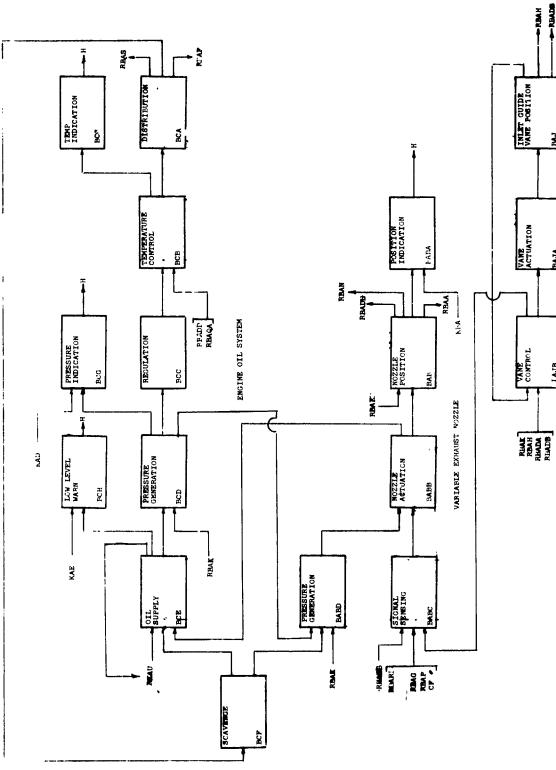


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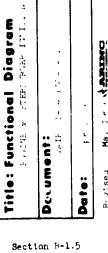
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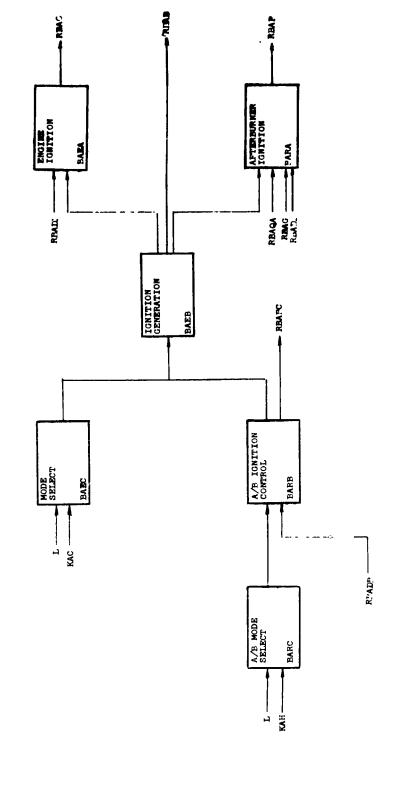
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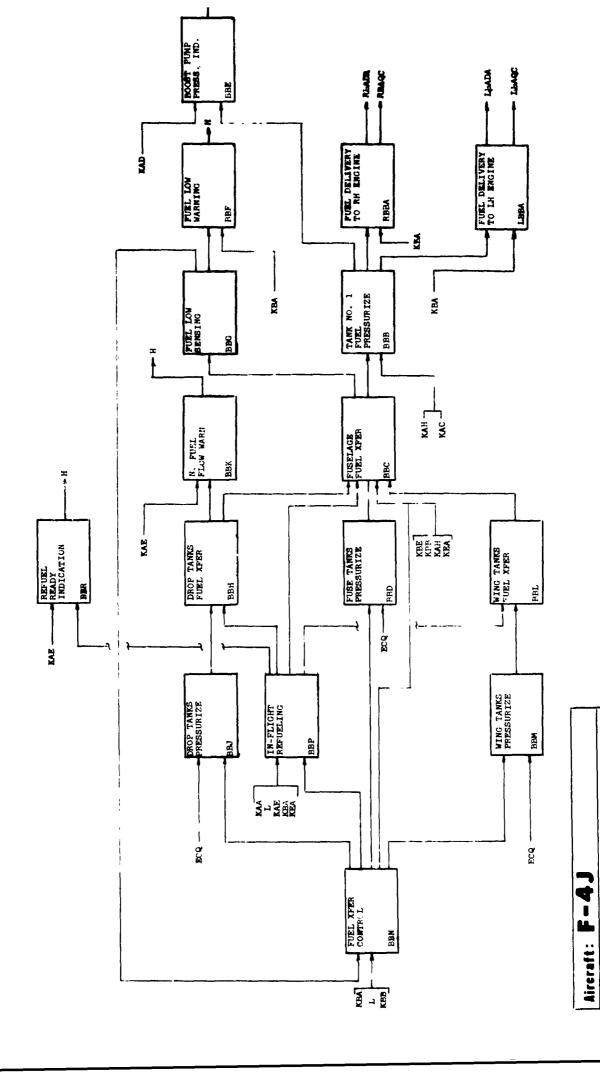


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TITLE PROPULSION BABIC ENGINE RISHT ENGINE AIR INDUCTION FRONT PRAME INLET CASE COMPRESSION 10 SEARING NO 1	#UE ALPHA	IMPUT PUMC TO A T	CD AL BENGITIVITY PC Pu w aggoodre OAAAAAAA OFFFEA AAAAAAAA AAAAAAAA AAAAAAAA AAAAAA
17 AIR/OIL CARRON SEAL 18 COMPRESSOR MOUSING 19 COMPRESSOR STATOR VANE 29 STATOR VANE SUBDUL 21 COMPRESSOR REAR FRAME 22 COMPRESSOR REAR FRAME 23 SEARING NO 2 24 CARBON OIL SEAL 25 CUMPORT 26 SHIELD EMSINE COMBUSTION 27 31 OUTER CASE 32 COMBUSTION CHARBER	35341 800% 400	RBAG RBAP RBAL RBAP RBAD RBALA	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
TITLE	WUC ALPHA	DEP IMPUT FUNC	CD AL BENSITIVITY FC FN W 123454789
33 INNER COMBUSTION CASING 34 TRANSITION DUCT COMPRESSOR ROTATION TURBINE ROTATION TURBINE ROTATION TURBINE ROTATION 35 FIRST STAGE TURBINE 38 THIRD STASE TURBINE 38 THIRD STASE TURBINE 48 INVERSIAL TURBINE 49 TURBINE SHAFT 43 TURBINE CASING 44 TURBINE GASTA 45 TURBINE GASTA 46 TURBINE FRAME 47 VANE 48 INMER/OUTER COME 49 SUPPORT 50 COOLING SAFFLE 51 FRAME COME SUPPORT 52 ROTOR SPILL BAFFLE 53 SEARING NO 3 54 CARBON OIL BEAL MAIN ENGINE THRUST MAIN ENGINE THRUST MAIN ENGINE THRUST 55 INMER REAR COME 57 FORWARD EXHAUST DUCT 58 LIMER	323A23	MBAB RRAI	A A A A A A A A A A A A A A A A A A A
THE	32349319RBAAC 32349418BAAD 323490RBAAE 3234920RBAAE 3234920RBAAE 3 RBAK 3 RBAK	RBAL RBABD RBAS RBCD RRADA KOB KEB RKAU RHAAA RBAJB RBADB RBADB	A A A A A A A A A A A A A A A A A A A

TITLE	we	ALPHA	ارجها	DEP 7 PUNC	CO AL COMO!T!V!TV FC PN W 123456767
75 REAR GEARGON 76 GEARING HOUGING	383453				
A/B COMBUSTION	323494 3 3		Mari	MOADC MOAN	*
A/S COMBUSTION REAR EXHAUST DUCT	323444	9019445	MAC		A
LINER OUTER BAELL AFTERNAMER THRUST	323443 323444 323444		7040		*
A/O THRUST EMBINE BLEED AIR	,		MAP MAG	RBA CDA	02000000
	3	BAM MAB	LBAG	FB40	4444444 444444
SO-INLET CUIDE VANE PORITION	3	MAJ.	MAJA	POADS	AAAAAAA Balllii
IMLET SUIDE VANE POSITION IMLET SUIDS VANE ACTUATION	3	24		MAAH	4444444 ******************************
SO GUIDE VANE SUPPORT	323411	10494 3044076 3444070	- TAJE	101 3	******
91 GUIDE VANE BEARING 92 HALF RING ABBENDLY LH	323411	AARAAJAC AARAAJAO			4
93 LEVER ARM 94 BELLCRCANK BUPPORT	323411	almbajal 20mbajal 30mbajac 40mbajan			Å
95 MAIN CRANK 96 MASTER ROD 97 LM ACTAUTOR	323415	Jembajag 10mbajah 10mbajaj			A
98 RH ACTUATOR 99 HALF RING ASSEMBLY RH	323411				3
AS CONTROL	3	MAJE MAJE	REAH	MEAJA	4444444
VANE CONTROL	3	Peaje Baje	RSAN RSADS		**********
44 FEEDBACK RIGHAL SMAFT ENGINE COOLING AIR	323411	- NEADA	RBADA		A
*AUX AIR DOOR POSITION	3	MBAL MBAL MBEA	ROFA ROEG	rrac Rbak Rbah	4444444
	3	ROEA ROEA		ROEB	72111127 AAAAAAA AAAAAAA
AS AUXILLIARY AIR DOOM AUX AIR DOOR ACTATION A9	377327	ROEC	ROED	RBEA	A AAAAAAA
BG AUX AIR DOOR ACTUATOR AUX AIR DOOR CONTROL	- - - - - - - - - - - - - - - - - - -	RBECA RBED	KEA R B EF	***	A
AUX AIR DOOR SELECTOR VALV PILOT MODE SELECT		ROEDA	L	RBED	A A A A A A A A A A A A A A A A A A A
84	3	RBEF	KOD		
TITLE 95 AUX AIR DOOR RELAY 86 LANDING GEAR MANDLE SWITCH 87 9 AMP CIRCUIT BREAKEN	271220	ALPHA RBEFA DADB DADA	INPUT	DEP FUNC RBEF RREF	CD AL BENSITIVITY FC FN W 123454789 A A
DOOM POSITION INDICATION AP WARNING LIGHT	311333	ROED ROED ROEDA	RBEA	*	500000 00
AUX LANDING GEAR RELAY AUX AIR DOOR POSITION SW	313110	DARC		RAEB	Ā
C3-BELLMOUTH POSITION	3	rofa Rufa	ROFE	real Ream	041111100 131111131
CS BELLHOUTH RING BELLHOUTH ACTUATION C7 ACTUATOR	329411 3 329412	ropa Ropo Ropo	ROFC	RBFA	
CO CABLE CO PULLEY	329A13 329A14	ADFOC ROFEC			•
D3 SECTOR D1 IDLER, MOD, AND BELLCRANK	329415 329415	ROFBE			Ā
SENSING AND CONTROL D3 SENSING AND CONTROL	3	ref ref	CF KEA	RRFS	*****
04 CONTROLLER DS PITOT TUSE	32941G 32941H	rbfg Rbfg1 Rbfg0	RBAH		.
De STATIC SENSOR "VARIABLE RAMPS POSITION	32941.	RBFCE	808	RMAI	F 013111110
VARIABLE RAPPS POSITION	3	804 804	808	BOD	01111110
PF FORWARD hamp Eg aft Ramp E1 Fixed Ramp	311 3 11 311 3 18 311 3 13	BDAA BDAB BDAC			A
VARIABLE RAMPS ACTUATION	311313	BDB BDBA	BDC	BDA	A AAAA**AAA
E4 RAMP ACTUATOR E5 RAMP HINGE	311314	SDSC SDSC			
EÓ RAMP SÚÍVEL E7 BELLGRANK RAMPE CONTROL	311317 31131F	0000 3000	4.■ .		A
E9	3 3 3	BDC BOC BDC	MEA BDD Kaa	808	*****
FO SERVO VALVE F1 RAMP CONTROL AMPLIFIER	311314 311316	BOCA			A
SIGNAL SENSING F4 FEEDBACK POTENT!ONETER	3 3 3 1 3 1 0	800 800	CF CF	906	
INLET ATR TEMP HISH WARNING	3	BCOA ROEE ROEE	KAE R s ah	н	*
TEMP SENSOR	31131	79EE4 79EE8	- '		A
MARNING LIGHT	311 31•	PREEC			A

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TITLE	W.C	ALPHA	I WOUT	BEP PUNC	CD AL FC PN	# 123456707 U 123456707	
STOUTH BAE" DEFIAEMA	3	70100 70100	78400	ROAC ROARA		84 300 5430	
MAIN FUEL DELIVERY	200.00	346		MAGA		20000000	
83 PRIMARY FUEL NOTTLE 84 SECONDARY FUEL NOTTLE 85 FUEL TUBLIS	383446 383446 383447	POARRO POARRO				•	
OF FUEL THE :- C PRESCURE ZE AND URASH OF PRESCUREZE AND DUMP VALVE	323446	PARC	70400	P0480		* *******	
FUEL MEGULATION AND CONTR	43	79480 79480	MADA MADA	M448		******	
MEGULATIC AND CONTROL		79.490 79.490 79.490	1046 104 104	POADE SCAPE			
		79400 79400	MBAB BBAR				
HE HAIM FUEL CONTROL	3834480	7040A 70400 70704004	F				
HE TOROUE BOOSTER CONTROL HS FUEL OIL COOLER	323443 323444	Poudos Pocas					
S AMP FUSE INLET TEMPERATURE SENSOR	3234483	9984990 0984990				Ā Ā	
M6 THROTTLE LEVER M6 FUEL FLOW TRANSMITTER FUEL FLOW IMDICATION	2 221445 354211	POBAAA POADEA POADE	PSADS			A A AAAAAAAA	
FUEL FLOW TRANSMITTER	3 351442	PAREA	KAU			4	
FIEL FLOW INDICATOR 5 AMP FUSE FUEL SUPPLY PRESURIZE	391441 391444	MBADEB MBADEC MBADA	MBAK	RBADS		4 4	
J4 MAIN FUEL PUMP	_	PADA PADA	PORA	RRAJE		. ******	
JS BYPASS INDICATOR SMITCH FUEL FILTER TEMPERATURE AMPLIFIER	3537676	PRADAC PRADAC				1	
A/B FUEL DELIVERY A/B FUEL DISTRIBUTION	3	76464 76464	RBAUR RBAUR	RAAP		4 44444444 55 555 5555	
A/B FUEL SPRAYBAH A/B FUEL MANIFOLD	323474 323475	70404 704044		RRARA		*******	
FUEL OIL COOLER TUBING	323472	POABAB POCOC POABAC				4	
PRESSURIZING VALVE A/B FUEL REGULATION	323A73 3	PRAGAD PRAGE	RBAUR	RRADA		44444444	
	3	79496 79496 79496	MBAGC MBAG L				
TITLE	WUC 323478	ALPHA Boadda	INPUT	DEP		BENSITIVITY W 123456789	
A/8 FUEL CONTROL THROTTLE LEVER A/8 FUEL PRESSURIZE	323A78 329311 3	RBABRA RBGAAA RBABC	RBAK				
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSUR: ZE K9 A/B FUEL PUMP	323474 329311 3 3 3234716	RBABRA RBGAAA RBABC LBABC IDRBABCA		FUNC		W 1234567AP A A	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE KP A/B FUEL PUMP CHECK VALVE FILTER	323476 329311 3 3 3234716 3234711 3234710	RBAGRA RBGAAA RBAGC LBAGC IGRBAGCA IGRBAGCG IGRBAGCC IGRBAGCD	RBAK	FUNC		W 1234567AP A A	
A/8 FUEL CONTROL THROTTLE LEVER A/8 FUEL PRESSUR; ZE KP A/8 FUEL PUMP CMECK VALVE	323476 329311 3 3 3234716 3234711 3234710	RBAGRA RBGAAA RBAGC LBAGC 10PBAGCA 10PBAGCB 10PBAGCC 10PBAGCD 10PBAGCD	RBAK	FUNC RRASS		M 1234567AP A AAAAAAAAA A AAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUESSURIZE KP A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE LA ENGINE IGNITION L7 L6 IGNITER PLUG	323478 329311 3 3234718 3234718 3234718 3234713 3234713 3234713 3234714	RBADRA RBGAAA RBADC LBADC DRBADCA SRBADCA SRBADCA ORBADCC ORBADCC ORBADCE RBAEA RBAEA RBAEA RBAEA	ršak R o ša	FUNC	FC FN	M 1234567RV	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE KP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OFF VALVE LA EMGINE IGNITION L7	323476 329311 3 3234716 3234716 3234710 3234711 3234711 32347114 3	RBABRA RBGAAA RBGABC LBABC BRBABCA BRBABCA BRBABCA BRBABCA BRBABCA BRBABCA RBAEA RBAEA RBAEA RBAEA RBAEB RBAEB	RBADD RBALD	FUNC RRADB RRAC	FC FN	1 123456789 A A A A A A A A A A A A A A A A A A A	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE La ENGINE IGNITION L7 L6 IGNITER PLUE L9 HIGH TEMBION LEAD IGNITION GENERATION M2 IGNITION EXCITER UNIT	323A78 329311 3 323A710 323A710 323A710 323A713 323A713 3 3 323AA8 323AA8	PRACE A PRACE OF THE PRACE OF T	RBADD RBALD RBAEC RBARR	PUNG RRADE RRAC RRAC RRACA RBARA HBAB	FC FN	123456789 4 4 4 4 4 4 4 4 4 4 4 4 4	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE KP A/B FUEL PUMP CHECK VALVE FILTER PUMP VENT VALVE ON/OPF VALVE LA ENGINE IGNITION L7 L8 IGNITER PLUG L9 MIGH TENSION LEAD IGNITION GENERATION M2 IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH	323A78 329311 3 323A716 323A716 323A713 323A713 323A714 323A714 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	RBADRA RBGAAA LBADC LBADC OPBADCA OPBADCA OPBADCC OPBADCC OPBADCC OPBADCC OPBADCC OPBADCA OPBA	RBADD RBALD	PUNG RRABB RRAC RRAEA RBARA	FC FN	123456789 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUMP CHECK VALVE FILTER PUMP VENT VALVE ON/OPF VALVE LE NEINE IGNITION LF HIGH TENSION LEAD IGNITION GENERATION M2 IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M6 5 AMP FUSE eATTERBUNNER IGNITION	323A78 329311 3 323A710 323A712 323A713 323A714 323A714 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PRAGRA PROGRAM	RBADD RBAED RBAEC RBARR	PUNG RRADE RRAC RRAC RRACA RBARA HBAB	FC FN	123456789 A A A A A A A A A A A A A A A A A A A	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE XP A/B FUEL PRESSURIZE XP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE ON/OPF VALVE LS ENGINE IGNITION LT LS IGNITER PLUE LS HIGHT FENSION LEAD IGNITION GENERATION M2 IGNITION EXCITER UNIT MODE SELECT M4 THROTTLE SWITCH M5 THROTTLE SWITCH M6 S AMP FUSE	323A78 323311 3 323A718 323A718 323A718 323A714 3 323A714 3 323A49 3 3 323A49 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PRAGRA A PROGRAM PROGR	RBAK RBAA RBAEC RBARR L KAC	PUNC RRAGE RRAC RRAEA RRAEA RRAEA RRAEB	FC FN	1 123456789 A AAAAAAAAAA OOAAAAAAOO AAAAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE KP A/B FUEL PUMP CHECK VALVE FILTER PUMP VENT VALVE GON/OPF VALVE L6 ENGINE IGNITION L7 L6 IGNITER PLUG L9 MIGHT FUNSION LEAD IGNITION GENERATION M2 IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M6 S AMP FUSE -AFTERBURNER IGNITION M3 M9 A/B IGNITION NO TORCH IGNITER NO TORCH IGNITER NO TORCH IGNITER M1 IGNITION M1 TORCH IGNITER M1 IGNITION M1 TORCH IGNITER M1 IGNITION M1 TORCH IGNITER M1 IGNITER PLUG	323A78 329311 3 323A710 323A713 323A713 323A714 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PRACTA A PRA	RBACA RBACA RBAEC RBAEC RBAEC RBAEC RBAEC RBAEC RBAEC RBACA RBACA RBACA	PUNC RRADB RRAC RRAEA RRAEB RRAEB	FC FN	123456789 4 4 4 4 4 4 4 4 4 4 4 4 4	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSUREZE KP A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE LA ENGINE IGNITION L7 IGNITION EAD IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M6 3 AMP FUSE AFTERBURNER IGNITION NO TORCH IGNITIFR N1 IGNITION N1 IGNITION N2 IGNITION N3 M9 A/B IGNITION N0 TORCH IGNITION N1 IGNITER PLUG AFTERBURNER IGNITION CONT N7 AFTERBURNER IGNITION SWITE	323A78 329311 3 323A716 323A713 323A713 323A713 323A714 3 323AA9 3 323AA9 3 323AA9 3 323AA9 3 323AA9 3 323AA9 3 323AA9	PROCESS OF THE PROCES	RBADD RBAED RBAED RBAEC RBAEB RBADA RBAEB RBADA RBADA	PUNC RRAGE RRAC RRAEA RRAEA RRAEA RRAEB	FC FN	123456789 A AAAAAAAAA A AAAAAAAAAA A AAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUMP CHECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE LA ENGINE IGNITION L7 L8 IGNITER PLUG L9 MIGHT FEMBION LEAD IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M6 S AMP FUSE -AFTERBURNER IGNITION M7 A/B IGNITION M9 A/B IGNITION M1	323A78 329311 3 323A710 323A710 323A713 323A714 323AA4	PROCESS OF THE PROCES	RBAKARBAKARBAKARBAKARBAKARBAKARBAKARBAK	PUNC RRADE RRAC RRAEA RBARA RBAR RRAEB RBAP	FC FN	123456789 A AAAAAAAAA A AAAAAAAAA A AAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE KP A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE LA ENGINE IGNITION L7 L3 IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M5 3 AMP FUSE A/FTERBURNER IGNITION M3 M9 A/B IGNITION M1 IGNITION M1 IGNITION M3 M9 A/B IGNITION M1 IGNITION M1 IGNITER PLUG A/TERBURNER IGNITION CONT M7 AFTERBURNER IGNITION SWITCH M8 A/B IGNITION M1 IGNITER PLUG A/TERBURNER IGNITION SWITCH M9 A/FTERBURNER IGNITION SWITCH A/FTE	323A78 329311 3 323A716 323A713 323A713 323A714 323AA9 3 323AA4	PROCESS OF THE PROCES	RBADD RBALD RBAEC RBARR LKAC RBAEB RBAGA RBAGA RBACK RBAUD RBARC RBAUD RBARC RBAUD LKAH	PUNC RRADE RRAC RRAEA RBARA	FC FN	123456789 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE LE NEIME IGNITION LT LS IGNITER PLUG LY MIGHT TENSION LEAD IGNITION GENERATION M2 IGNITION EXCITER UNIT MODE SELECT M4 THROTTLE SWITCH M5 SAMP FUSE AFTERBURNER IGNITION M3 M7 A/B IGNITION M1 IGNITER PLUG AFTERBURNER IGNITION SWITCH M5 M7 AFTERBURNER IGNITION SWITCH M6 M7 AFTERBURNER IGNITION CONT M7 M7 M8 M70 XPER PUMP GONTOL RELIATERBURNER HODE SELECT PD D1 THROTTLE LEVER	323A78 32311 3 323A710 323A710 323A713 323A714 323AA4 333AA4	PROGRAM A PROGRAM A A PROGRAM A A PROGRAM A A LONG TO PROGRAM A PROGRAM A PROGRAM A A PROGRAM A	RBAKARBAKARBAKARBAKARBAKARBAKARBAKARBAK	PUNC RRADE RRAC RRAEA RBARA RBARA RBABA RBABA RBABA RBABA RBABA	FC FN	123456789 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PRESSURIZE KP A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE FUEL INLET VALVE ON/OPF VALVE LA ENGINE IGNITION L7 L3 IGNITION EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M5 3 AMP FUSE A/FTERBURNER IGNITION M3 M9 A/B IGNITION M1 IGNITION M1 IGNITION M3 M9 A/B IGNITION M1 IGNITION M1 IGNITER PLUG A/TERBURNER IGNITION CONT M7 AFTERBURNER IGNITION SWITCH M8 A/B IGNITION M1 IGNITER PLUG A/TERBURNER IGNITION SWITCH M9 A/FTERBURNER IGNITION SWITCH A/FTE	323A78 329311 3 323A716 323A713 323A713 323A714 333A43 333A43 333A443 333A443 333A443 333A4 333A43 333A4 333A4 333	PROCESS OF THE PROCES	RBADD RBALD RBAEC	PUNC RRADE RRAC RRAEA RBARA HBAB RRAEB RBAP RBAEB RBARB	FC FN	1 23456789 A AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUMP CHECK VALVE FILTER PUMP VENT VALVE GUITER FLUG LINET VALVE OALOFF VALVE LA ENGINE IGNITION LT LS IGNITER PLUG LINITON EXCITER UNIT MODE SELECT M4 M5 THROTTLE SWITCH M6 S AMP FUSE A/B IGNITION M7 A/B IGNITION M8 A/B IGNITION M9 A/B IGNITION M0 A/B IGNITION M1 A/B IGNITION	323A78 329311 3 323A716 323A713 323A713 323A714 323AA4 323AA434 323AA434 323AA434 323AA434 323AA434	PROCESS OF THE PROCES	READD REAL REAL REAL REAL REAL REAL REAL REAL	PUNC RRADE RRAC RRAEA REARA RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB	FC FN	123456789 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
A/B FUEL CONTROL THROTTLE LEVER A/B FUEL PUMP CMECK VALVE FILTER PUMP VENT VALVE GAL INLET VALVE ON/OPF VALVE LG ENGINE PLUG IGNITION EXCITER UNIT MODE SELECT MS THROTTLE SWITCH SAMP FUSE -AFTERBURNER IGNITION CONT NI IGNITER PLUG AFTERBURNER IGNITION TORCH IGNITER NI IGNITION A/B IGNITION NO TORCH IGNITER NI IGNITION NO TORCH IGNITION SWITCH SAMP FUSE A/B IGNITION A/B IGNITION NO TORCH IGNITION SWITCH SAMP FUSE A/B IGNITION TORCH IGNITION SWITCH A/B IGNITION NO TORCH IGNITION SWITCH SAMP FUSE A/B IGNITION SWITCH A/B IGNITION INDICATION NOZILE POSITION INDICATION NOZILE POSITION INDICATION	323A78 329311 3 323A710 323A712 323A713 323A714 333A43 333A41 333A44 323A44 323A44 323A44 323A44 323A44 323A44 323A44 323A44 323A44 323A44	PROGRAM A A DE PARTICIO DE PROGRAMO DE LOS DEL LOS DELLOS DEL LOS DELLOS DEL LOS DELLOS DEL LOS DELLOS DEL	RBADD RBALD RBAEC	PUNC RRADE RRAC RRAEA REARA RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB RRAEB	FC FN	123-56789 A AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	

TITLE				nep	CO AL BENGITIVITY
00 DIRECT FLAP	WUC .	ALPHA	140	IT FUNC	FC FN W 123456789
03 BHROLD FLAP STAL	32344	17170400C 178784000			‡
04 MOZZLE FLAP 06 MOZZLE FLAP SEAL	38344	10070400g 10170400F			i
CAN LINK ACTUATOR	38344	103764006			7
OS ACTUATOR	38344 38344	HARRAGE			•
RO ACTUATOR	32344 32344				•
R1 ACTUATOR R2 RCD	32344	HOROLOOM			•
R3 R00 R4 R00	323444	150704000			•
85 ROD	323444				:
NO HORRES AREA CONTROL VALVE		MOADOS HARRADOT			<u>^</u>
PRESSIRF GENERATION	3	POABO POABO	MB4s	HOARD	* ******
\$8 HOZZLE PUMP	Š	76480	POCF		
SIGNAL SENSING	352700	PBABC PBABC	RHADE	REARS	4444444
§2	3	MOVOC	REARR		
\$2 52	3	PBABC	MAG		
ST COMPRO ALTERNATOR	3 323492	PRABC	CF		
S3 CONTROL ALTERNATOR S4 TEMPERATURE AMPLIFIER	252743	PBASCS			4
EXMAUST GAS THERHOCOUPLE SA BRANCHED CABLE	351484 323491	PEABCO			Ā
OFUEL CONTROL SETTING	3	BEAR	BGAA KB1	RESA Reads	00000050
56	į	BEAR	KBL	LBADE	AAAAAAA AAAAAAA
SP INTEGRATED TORQUE BOOSTER	329C15		BCBA		A
POWER SELECTION TI THROTTLE LEVER	320311	BEAA	L	AGAB	
FRICTION LOCK TO TELEFLEX UNIT	329312	SAAD			<u> </u>
T4 TELESCOPING UNIT	35431E	LSAAD			4
TAMAPES ACTIVATION	329316	BCB4 RCVVE	KBE	BGAB	A 000000010
77	3	8684 8684	BGAS		222244
TT TB CONTROL AMPLIFIES	3 329614	868A 868A	KAA		
SIGNAL CONDITIONING	3	8688	8680	BERA	* *****
	,	8688	KAA	RGBC	*****
TITLE	WUC 3	ALPHA BGBB	[NPUT	DEP FUNC	CD AL SENSITIVITY FC FN W 123456789
U1 THROTTLE CONTROL COMPUTER SIGNAL SENSING	32 9 C1•	BGBB A	BCBF	8688	*
U3 SIGNAL SENSING	3	MGBO MGBO	KRE		20044680
US ANGLE OF ATTACK TRANSMITTE	32961+	86804	Ų,		A
US STAR POSITION TRANSDUCER	329611	8680a 8680c			.
MODE SELECT US APCS SELECT SWITCH	32 9 C1+	B GBE A	L	RGBD	******
UP 5 AMP CIRCUIT BREAKER VO 3 AMP CIRCUIT BREAKER	329C1•	869E& 868E¢			Ā
VO 5 AMP CIRCUIT BREAKER VO 5 AMP CIRCUIT BREAKER	35461.	BCOTO			A.
VO 5 AMP CIRCUIT BREAKER VI AIR TEMP BUITCH	35461	BGBEF			*
VZ ENGINE SELECTOR SVITCH	35001+	968E6 968EH			A A
V3 EMERG SPEED BRAKE SWITCH V4 SPEED BRAKE CONTHOL SWITCH	314624 314627	CEPA CEDA			Ā
VS NLG DOWN LIMIT SHITCH VG H MAIN GEAR SCISSOR SWITCH	313143	DAABAA			A
V7 SPEED BRAKE RETRACT MELAY V8 APGS DISENGAGE RELAY	314050	CEEA			A
AS LORES INTERFOCK WEFTA	354C1• 254C1•	9696×			*
APGS OFF INDICATION	3	ngec Ngec	BGBB Kae	H	00000000
MS MARNING FIGHT METAA	329G17 329G1•	BGBCA BGBCA			4
FUEL/HYDRAULIC RADIATOR	445128	KCDC			A
	;	rbba rbba	eee Kut	RBADA	045595530
FUEL DELIVERY TO ENGINES STRAINER/DRAIN VALVE	446136	ree Reeaa		RRABC	*****
FUEL/HYDRAULIC RADIATOR MAINFOLD SHUTOFF VALVE	449128	KDDC POBAB			Ā
ENGINE FEED MANIFOLD TANK NO 1 FUEL PRESSURIZE	446137	REBAC		BBF:	*
TANK NO 1 FUEL PRESSURIZE		006 008	88 ¢ Kam	roba Loga	011123440 011123440
LH BOOST PUMP ASSEMBLY	4461310	988 9 986 4	KAC	BBE	3
RH BOOST PUMP ASSEMBLY 17 RH PUMP CHECK VALVE	44613100 44613100 446133	9000 PB00C			5
18 BOOST PUMP SYPASS CHECK V 19 DEFUELING SHUTOFF VALVE	44613.	8880			1
20 TANK NO 1 DRAIN VALVE	446122	000f 000f			A A
21 MANIFOLD DRAIN VALVE FUSELAGE FUEL TRANSFER	446135	8836 886	KBE	800	ă
	i	BBC	BAL	ABG	4444444

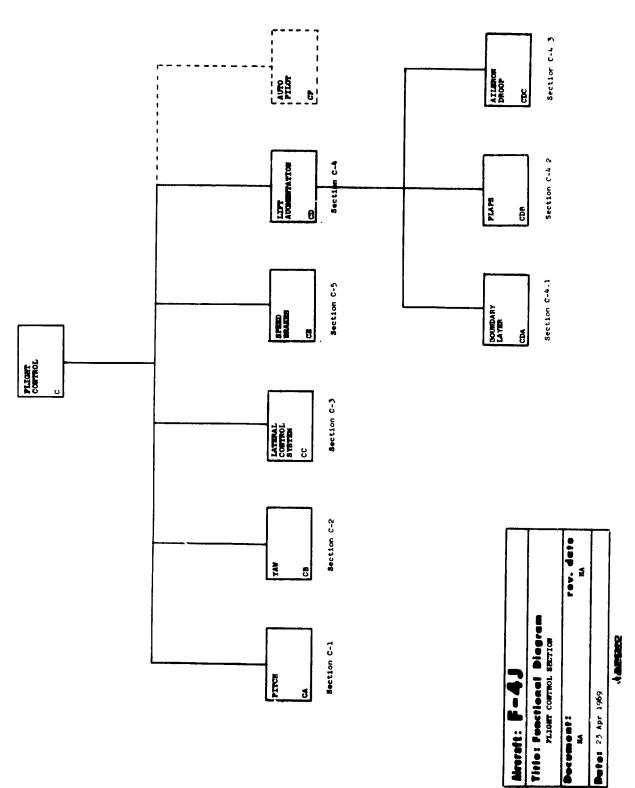
TITLE	wc	M.PM	INPUT	nep PUNC	CD AL SENSITIVITY PC PN V 123-9670	3
24 25 26 27 28 29 29 29 20 31 Take NO 1 31 Take NO 2 32 Take NO 3 33 Take NO 4 34 Take NO 5 36 Take NO 5 36 Take NO 6 37 INTERCONNECT CHECK VALVE 39 INTERCONNECT CHECK VALVE 39 INTERCONNECT CHECK VALVE	4 4 4 4 4 4 4 4 4 4 4 4 4 6 6 6 6 6 6 6	ONE ONE ONE ONE ONE ONE ONE ONE ONE ONE	184 800 486 884 884 884		4 4 4 4 2	
TANK NO A NYD FUEL PLANE 41 TANK NO A MYD FUEL PLANE 42 TANK NO A MYD FUEL PLANE 43 TANK NO A MYD FUEL PLANE 44 NO 1 FUEL LEVEL CONTYNGL V 45 NO 7 FUEL LEVEL CONTYNGL V 46 NO 7 FUEL LEVEL CONTYNGL V FUEL LEEE TANKS PRESSURIZE 40 TAIR CHECK VALVE AIRFLOW LINITER PRESSURE REGULATOR FUEELASE MOT AIR CHECK V PRESSURE FEGULATOR FUEELASE MOT AIR CHECK V PRESSURE VALUE DIVE VENT CHECK VALVE DIVE VENT CHECK VALVE TANK NO 7 PEESS HESULTOR CHECK VALVE CHECK VALVE CHECK VALVE	440146 440146 440146 440146 440146 440146 440116 440116 440111 440111 440111 440111 440111 440111 440111 440111 440111	805 905 905 905 905 905 905 905 9	gu \ ECu	egc	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
CHECK VALVE CHECK VALVE CHECK VALVE CHECK VALVE CHECK VALVE CHECK VALVE VENT MAST FIRE SCREEN FIRE SCREEN DRAIN DROP TANKE FUEL TRANSPER OF CL TANK EMERG RELIEF VALVE	446110 446110 446110 446110 446110 446110 446110	9894 9899 9899 9897 9897 984 984	30.	90C 80K	A A A A A A A A A A A A A A A A A A A	
TITLE	u uc	ALPHA	INPUT	DEP FUNC	CD AL SFMS!TIV!TY FC FN W 123496789	
CL YAMK HOT A 13 CMECK VALVE CL TAMK A PROBAS CME CM FITTIM R DROP YAMK A 18 DIBCOMMECT R DROP TAMK PRESS/VENT V R DROP TAMK PRESS RECULATO RM MOT A IR CHECK VALVE	446231 446233 A 446211 446212 [446217 446214 [446216 446218 446218 446218	BEHE BRINC B	88 N ECu	ea+	A A A A A A A A A A A A A A A A A A A	
R PRESSURE CHECK FITTING NO FUEL FLOW WARNING AT CL TANK FUEL PLOW SWITCH R FUEL FLOW SWITCH	444216 4 444227 444224	90K 90K	60H KAE	н	4 4 4	
S AMP FUSE WARNING LIGHT WING TANKS FUEL TRANSPER B4 R WING 1/B LEVEL SHUTOFF V	44 622 • 44 643 • 4	ROBER BOKD BOKD BOL ROBER ROBER	90+ 90+	se c	000011100	
R WING DAR LEVEL SMUTDER V. R WING TANK WING TANKS PRESGURIZE C2	446178 446172 4	POOLC BOM BOM	30N ECG	NOL	*	
M MING TANK PRESS REGULATOR MOT AIR CHECK VALVE R WING PRESS CHECK FITTING EXTERNAL AIR PRESS CONNECT R WING TANK OPAIN VALVE FUEL TRANSPER CONTROL	446116 446117 446118	ROOMA ROOMS ROOMS ROOMS BOTT ROOM		86 .4	*	
- von manage an auning		90A 90A 90A	KBA KBB BBG	99° 99°		

		867	CO AL SENSITIVITY
TITLE		PMA IMPUT PUR	C FC Fig # 123404700
17 OIL TANK		NCE NOCT NOCE NCE NICHU NICHU	*****
10 PRESSURE SELVACION VALVE	-53760-08 -53760-08		.
FOR PEAST ROUNING	-83400-00	PORTE H	A 028282220
OIL LEVEL AMPLIFIER	-2340- 8	MON KAL	•
LOU LEVEL WARRING LIGHT OIL LEVEL BENDON 5 AMP FLOC	-8349+ R -8349+ R -2349+ R		.
PARTIES SENGRATION		ICO POCE POCE	
30 MAIN OIL PUMP	-23401	ice Times	94444430 4444444
31 PRESSURE INDICATION		ICS MOCU M	*********
SUPPLIES THE TABLE THE SUPPLIES OF SUPPLIE	-57434 M	1064 1088	.
POSTERIOR REGIALATION	-31433	ICOC ICC Macu Maca	******
SO NEL IEF VALVE CONTROL	-5376-	ICEA MBADA MACA	*******
36 39 AIR OIL COOLER		CB MOLE MICL	033333330
48 MAIN FUEL OIL COOLER 41 ASS FUEL OIL COOLER 42 TEMPERATURE REDULATOR	-2346+ N	CD4	3
42 TEMPERATURE REBULATOR	-23472 N		1 4
LENGENTANE INDICATOR LINGUAGEOUPLE SEMPOR OIT LENGENTANE INDICATE		CJ MBCs 11 CJA CLM	033333330
MASIC ENGINE LEFT	L	i ibia u	A C9999943C
EMELLE VIN INCACALOR	3 La 3 La	M LOS LOFE	*****
) is	AM LOFA LANDS	
COMPRESSION	32341100	444	******
	3 LB	46 LBAH LRAM	*****
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ofaming no 1 aim/dil cambon slal compresson mousing	35391150F0	164 1 00	\$
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TITLE	35341518rP4 ANC PF24	AME	CC AL SENSITIVITY FC Fn w 1234567A0
COMPRESSOR READ ABOUT THE T	32341300L84	18F 18C	
CAMPANY CAMPANY	32341420L84	4 .1	4
SMIELD EMBINE COMBUSTION	32341446Lp4 32341496LB4	e.	A
	3 LB4 3 LB4 1 Lb4	E LBAL LBAF	*****
DUTER CARE	383451 194	C LBALA	
COMBUSTION CHAMBLE	35345500F84	ČN	•
TRANSITION DUCT	323424 FB4		
TURNINE ROTATION TURNINE ROTATION	3 LB4	LBCA LAAG LBAC LAAA	4444444
30 FIRST STAGE TURNING	323431 FR4	74	4444444
36 THIRD STASE TURNING	3/3432 LB4	PC	A
40 IMMER AIR BAPFLE 41 IMPERSTAGE BEAL	32343490Lb4 32343430Lb4	PE .	4
42 TURBINE SHAFT 43 TURBINE CASINE 44 TURBINE ROTOR SHABUD	32343900LB4	76	3
TO IT I THE TENT HANDS OLD	35343890LB4	lu M	Ā
46 TURBING FRANC 47 VANE 48 LINES AND ADDRESS AND ADDR	32343499Lp4/	il In	Ā
48 INMER/QUYEN COME 49 SUPPORY 50 COBLING BAFFLE	32343436L04 32343446L04	i p	A
SE FRAME COME SUMPORT	32343696LB4F 32343696LB4F 3234367 8 LB4F	r a	•
73 BEATING NO 3 54 CARBON OIL SEAL	35373946F8N	'₹	<u> </u>
MAIN ENSINE THRUST MAIN ENSINE THRUST	3 LB44	LBAB LAA	******
SO INMER REAR COME ST FORWARD EXHAUST DUCT	323441 LBAA	A A	.
30 COME	32344318L844		:
	383443411844	0	4
48 REAR EXHAUST DUCT 41 LINER 42 DUTER SHELL	32344343LBAA 3234431BLBAA 3234431BLBAA	<u> </u>	<u>.</u>

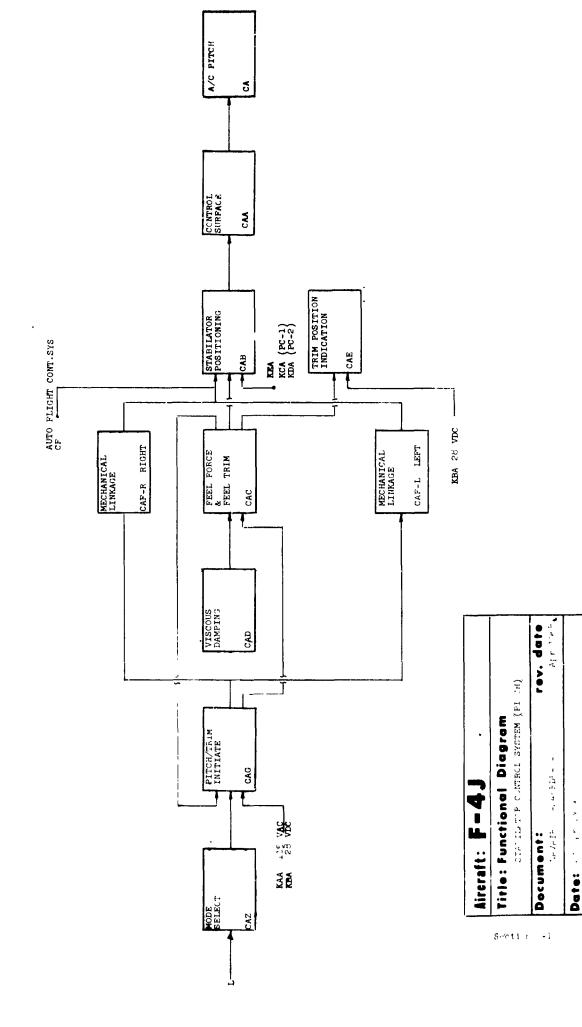
	TITLE	***	ALPHA	 	DEP FLAC		Maritinita 1 753429444
		3	LBud LBAK	LBAS	FECS		******
		3	LBAK		468		****
		3	LBAK		FARR		
	ACCESSORY DRIVE	3	LBAK		LRADA		*****
	#04-000-1 D-146		LBAK		F8498		******
71	FRONT GEARWOIL	353431	LBAKA		LAAGC		*****
7ž 73	TRAMOFER DE ARROY	353435	OGLEANS				1
74	DRIVE SHAFT HOUSING	323492	1 BLBANC BOLDANC				
7	MEAR GEARBON MEARING HOUSING	733453 323454	LBARE			4	
-	A/S COMPLETION	3	LBAP	LBAUA	LRADC	-	*****
	A/8 COMBUSTION	3	LBAP	L B ara L B ac	LRAN		*******
	REAR EXMAUST DUCT		991014E 191014F			•	
	OUTER BALL	323444	POLDAGE	_		4	1
	AFTERBURNER THRUST A/B THRUST	3	LBAN	LBAB	LPA		02 00000 0
	INTEL CRIDE AND LOSILION	3	LEAJ	LBAJA	LBADO		041111110
	INLET GUIDE VANE PORITION	3	FRAJ		LRAH		44444444
	SUIDE VAME SUPPORT	323411	lbaja 3 0 lbaja	FETT	LAAJ		*****
*	CUIDE VANE	323411	4 6 LB4J4B			*	
.5	GUIDE VAME REARING HALF RING ASSERBLY LM	353911	POLBAJAC BOLBAJAD			ŝ	
*3	FEASU VIII	323411	ASL BALLE			4	
75	MAIN CRANK	353415	POLBAJAS SOLBAJAS			A	
**	MASTER ROD LM ACTALTOR		eceaja Bolbaja			3	
	RM ACTUATOR HALF RING ASSEMBLY RM	323411	PALBAJAK			•	
**	VANE CONTROL	3	LBAJAL LBAJA	LBAJ	LBAJA	•	*****
		3	LBAJB	LB&H LB&K	LBADC		****
	VAME CONTROL	•	LBAJB	LBADA			
44	FEEDBACK SIGNAL SMAFT	323411	LBAJA LBAJA	LBADA			
	ENGINE COOLING AIR		LBAL	LBFA	LRAC	-	44444444
	AUR AIR DOOR POSITION	3	LOEA	LBEC	LBAH		>71111127
		3	LUEA		LOCA		*****
	TITLE	⊎ uc	ALPHA	[\\u00f			E45 7 V TY 17345674V
44	AUXILLIARY AIR DOOR	₩UC 7 311331	ALPHA LBEA LBEAA	[MPUT			173456749
••		3 3 1133 3	LDEA LDEAA LDEG	LDE	FUNC	FC FN N	173456749
	AUXILLIARY AIR NOOR AUX AIR DOOR ACTATION AUX AIR DOOR ACTUATOR	311331 311332 311332	LBEA LBEA LBEC LBEC LBECA	L O L KEA	FUNC LRAL LBEA	FC FN N	173456744
	AUX AIR DOOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR CONTROL AUX AIR DOOR SELECTOR VALVE	311331 311332 311332	LBEA LBEAA LBEC LBECA LBECA LBECA	LDE	FUNC	FC FN W	173456744
	AUXILLIARY AIR NOOR AUX AIR DOOR ACTATION AUX AIR DOOR ACTUATOR	1 311331 3 311332 3 311333	LBEA LBEC LBEC LBECA LBEDA LBEDA LBEF	LONG KEA LOEF	FUNC LRAL LBEA	FC FN W	17349674V AAAAAAAA AAAAAAAA
90	AUX AIR DOOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR RELAY	311331 3 3 3 3 311332 3 1311334 3 3 3	LBEA LBEA LBEC LBECA LBEDA LBEDA LBEP LBEF LBEF LBEF	LON U KEA LOEF	FUNC LRAL LBEA LREC LRED	FC FN W	173456744
90	AUXILLIARY AIR TOOR AUX AIR UDOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR CONTROL AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR RELAY LANDING SEAR MANCLE SWITCH 5 AMP CINCUIT BREAKER	311331 311331 3 311334 3 311334 3 311334 3 311334	LBEA LBEC LBEC LBECA LBECA LBECA LBECA LBECA LBEF	LONG KEA LOEF	FUNC LRAL LBEA LREC LRED	FC FN W	173456744
90	AUXILLIARY AIR COOR AUX AIR DOOR ACTATION AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECTOR VALVE AUX AIR DOOR RELAY AUX AIR DOOR RELAY	311331 311331 3 311332 311334 3 313336 313123 31336	LBEA LBEC LBEC LBECA LBEDA LBEP LBEF LBEF LBEF LBEF LBEF LBEF LBEF LBEF	LOCA	FUNC LRAL LBEA LREC LRED	FC FN W	173456744
90	MARNING LIGHT MARNING LIGHT MARNING LIGHT MARNING LIGHT MARNING STAR MANDLE SWITCH AUX AIR DOOR RELECT AUX AIR DOOR RELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR RELAV AUX AIR DOOR RELAV AUX AIR DOOR RELAV MARNING LIGHT MARNING LIGHT	311331 311331 3 311332 311334 3 311334 311334 311334 311334 311334	LBEA LBEAA LBEC LBEC LBED LBED LBEP LBEF LBEF LBEF LBEBA LBEB LBEB LBEBA LBEBA	LOFF KEA LOFF L	FUNC LRAL LREC LREC LRED LREF LREF H	FC FN W	17343674V 44444444 444444444 444444444
90	AUXILLIARY AIR TOOM AUX AIR DOOM ACTATION AIR DOOM ACTATION AUX AIR DOOM SELECT AUX AI	311331 311331 311332 311332 311334 313113 311336 311333 313113 313113	LBEA LBEC LBEC LBECA LBEDA LBEP LBEF LBEF LBEF LBEF LBEF LBEF LBEF LBEF	LOCA	FUNC LRAL LREC LREC LRED LREF LREF H	FC FN W	17343674V 44444444 444444444 444444444
90	MARWING LIGHT MARWING LIGHT DOOR POSSITION INDICATION AND AIR DOOR SELECTOR VALVE AUX AIR DOOR SELECTOR VALVE AUX AIR DOOR SELECTOR	7 311331 3 111332 311334 311334 311336 311336 311333 311331	LBEA LBEC LBEC LBECA LBEDA LBEP LBEF LBEF LBEF LBEF LBEBA LB	LOCA	PUNC LRAL LREC LREC LRED LOEF LOEF H	FC FN W	17343674V AAAAAAAAA AAAAAAAAA AAAAAAAAA >00000000
***	AUXILLIARY AIR TOOR AUX AIR DOOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR SELECTOR VALVE LANDING SEAR MANUE SWITCH S AMP CINCUIT SMEAKER DOOR PRETION INDICATION WARNING LIGHT AUX LANDING CEAR MELAY AUX AIR DOOR PETITION SW BELLMOUTH POSITION WELLMOUTH RING	311331 311332 311332 311334 311334 311335 311335 311335 311336 313115 313115 313115	LBEA LBEA LBEC LBEC LBECA LBEDA LBEP LBEF LBEF LBEF LBEF LBEBA LBEF LBEF LBEF LBEF LBEF LBEF LBEF LBEF	LBPL KEA LBEF L KRB LBEA KAE	PUMC LRAL LREC LRED LRED LREP LREP LREB LRAL LRAL	FC FN W	17343674V AAAAAAAAA AAAAAAAAA AAAAAAAAA >>>>>>>>
89 85 C9	AUXILLIARY AIR TOOM AUX AIR UDOR ACTATION AUX AIR UDOR ACTATION AUX AIR DOOR SELECTOR VALVE PILOT HOOF SELECT AUX AIR DOOR SELECTOR AUX AIR DOOR SELECT AUX AIR DOOR POSITION BELLMOUTH FOSITION BELLMOUTH POSITION BELLMOUTH RING BELLMOUTH RING BELLMOUTH AING BELLMOUTH BING	311331 311331 311332 311332 311333 311333 311333 311333 311333 311333	LBEA LBEC LBEC LBEC LBED LBED LBEP LBEF LBEF LBEF LBES LBES LBES LBES LBES LBES LBES LBES	LOFE LOFE A KAE	PUNC LRAL LREC LREC LRED LOEF LOEF H	FC FN W	17343674V AAAAAAAAA AAAAAAAAA AAAAAAAAA >00000000
85 C5 C7 C8	AUXILLIANY AIR TOOM AUX AIR UDOR ACTATION AUX AIR UDOR ACTATION AUX AIR DOOM SELECT AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GEAR MANUE SWITCH AUX AIR DOOM RELAY AUX AIR DOOM RELAY AUX AIR DOOM POSITION WELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR ACTUATOR ACTUATOR COBLE CABLE COBLE	311331 3 311332 3 311334 3 311334 3 311336 3 311336 3 311339 3 311339 3 329411 329411 329412	LBEAL LBEC LBEC LBECA LBEDA LBEDA LBEDA LBESA LB	LBPL KEA LBEF L KRB LBEA KAE	PUMC LRAL LREC LRED LRED LREP LREP LREB LRAL LRAL	FC FN W	17343674V AAAAAAAAA AAAAAAAAA AAAAAAAAA >>>>>>>>
85 C5 C7 C8 C9 73	AUXILLIARY AIR TOOR AUX AIR UDOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR CONTROL AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR RELAY LANDING GEAR MANULE SWITCH S AMP CIRCUIT SREARER AUX AIR DOOR RELAY AUX AIR DOOR POSITION AW BELLMOUTH RING BELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SECTOR	311331 3 311332 3 311332 311333 311333 311333 311333 311333 311333 311333 311333 311333 311333 311333	LBEA LBEA LBEC LBECA LBEDA LBEDA LBEP LBEP LBEP LBEB LBEB LBEB LBEBA LBE	LBPL KEA LBEF L KRB LBEA KAE	PUMC LRAL LREC LRED LRED LREP LREP LREB LRAL LRAL	FC Fn W	17343674V AAAAAAAAA AAAAAAAAA AAAAAAAAA >>>>>>>>
85 C5 C7 C8 C9 73	AUXILLIARY AIR TOOM AUXILLIARY AIR TOOM AUX AIR DOOM ACTATION AUX AIR DOOM SELECTOR VALVE PILOT HOOF SELECT AUX AIR DOOM SELECTOR AU	311331 3 311332 3 311332 3 311333 313133 313133 313133 313133 313133 329414 329413 329414	LBEA LBEA LBEC LBEC LBED LBED LBED LBED LBES LBES LBES LBES LBES LBES LBES LBES	LBPL KEA LBEF L KRB LBEA KAE	PUNC LRAL LBEA LREC LBED LBEF H LBEB LBAL LRAL LRAL	FC FN W	17343674V AAAAAAAA AAAAAAAAA AAAAAAAAA >00000600* Callill00 13111133
85 C5 C7 C8 C9 73	AUXILLIANY AIR TOOM AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GEAR MANDLE SWITCH SAMP CINCUIT SMEAKER AUX AIR DOOM POSITION WARNING LIGHT AUX AIR DOOM POSITION SW BELLMOUTH POSITION BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOM CABLE PULLEY SECTOM IDLERIROD, AND SELLCRAMK BEWSING AND CONTROL	311331 311332 3 311332 311334 3131334 313316	LBEAL LBEC LBECA LBECA LBEDA LBEDA LBETA L	LBP L KEA LBE A KAE LBP B LBP C CF KEA	PUMC LRAL LREC LRED LRED LREP LREP LREB LRAL LRAL	FC Fn W	17343674V AAAAAAAAA AAAAAAAAA AAAAAAAAA >>>>>>>>
85 C9 C7 C8 C9 73	AUXILLIARY AIR TOOR AUX AIR UDOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR CONTROL AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR RELAY LANDING GEAR MANULE SWITCH 3 AND CIRCUIT BREAKER DOOR PREITION INDICATION WARMING LIGHT AUX AIR DOOR PESTION SW BELLMOUTH RING BELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SECTOR IDLER, ROD, AND SELLCRAMK BEMSING AND CONTROL CONTROLLER	311331 311332 3111332 3111334 3111334 3111335 3111335 3111335 3111335 313115 329411 329412 329412 329413 329414 329415	LBEA LBEA LBEC LBECA LBEDA LBEDA LBEP LBEP LBEP LBEBA	LBP L LBP B LBP C	PUNC LRAL LBEA LREC LBED LBEF H LBEB LBAL LRAL LRAL	FC Fn W	17343674V AAAAAAAA AAAAAAAAA AAAAAAAAA >00000600* Callill00 13111133
85 C9 C7 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIARY AIR TOOM AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GFAR MANULE SWITCH SAMP CINCUIT SMEAKER DOOM POSITION INDICATION WARNING LIGHT AUX AIR DOOM POSITION SELLMOUTH POSITION SELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SECTOR DUERINGO, AND SELLCRAMK SEWSING AND CONTROL SEMSING AND CONTROL SEMSING AND CONTROL	311331 311332 311332 311333 311333 31333 31333 31333 31333 31333 31333 329411 329411 329412 329413 329415 329416	LBEA LBEA LBEC LBEC LBED LBED LBED LBED LBES LBES LBES LBES LBES LBES LBES LBES	LBP L KEA LBE A KAE LBP B LBP C CF KEA	PUNC LRAL LBEA LREC LBED LBEF H LBEB LBAL LRAL LRAL	FC Fn W	17343674V AAAAAAAA AAAAAAAAA AAAAAAAAA >00000600* Callill00 13111133
85 C9 C7 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIARY AIR TOOR AUX AIR UDOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR CONTROL AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR RELAY LANDING GEAR MANULE SWITCH 3 AND CIRCUIT BREAKER DOOR PREITION INDICATION WARMING LIGHT AUX AIR DOOR PESTION SW BELLMOUTH RING BELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SECTOR IDLER, ROD, AND SELLCRAMK BEMSING AND CONTROL CONTROLLER	311331 311332 311332 311332 311333 311333 311333 311333 31311 31313 31313 329411 329412 329412 329413 329414 329413 329414 329414 329414 329414	LBEAL LBEC LBECA L	LBOL KEA LBEF LBFG CF KEA LBAM KAE	PUNC LRAL LBEA LREC LBED LBEF H LBEB LBAL LRAL LRAL	FC Fn W	17343674V AAAAAAAA AAAAAAAAA AAAAAAAAA >00000600* Callill00 13111133
85 C9 C7 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIANY AIR TOOM AUX AIR UDOR ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GEAR MANULE SWITCH 3 AND CIRCUIT SREAKER DOOM PREITION INDICATION WARMING LIGHT AUX AIR DOOM PREITION SW BELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SERSING AND CONTROL CONTROLLER PITOT TUBE STATIC SEMBOR INLET AIR TEMP MISM WARMING TEMP SEMBOR	311331 311332 311333 311333 311333 311333 311333 311333 313133 313133 329411 329411 329414 329414 329414 329414 329414 329416	LBEAL LBEC LBECA LBEC LBECA LB	LBPL KEA LBES LBPS LBPC CF KEA LBAM	PUNC LRAL LREC LREC LREC LREF HAL LREB LRAL LRAH LRFA	FC Fn W	17343674V AAAAAAAAA AAAAAAAAA >>>>>>>>>>>>>>>>>
85 C9 C7 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIARY AIR TOOR AUX AIR UDOR ACTATION AUX AIR UDOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR SELLAY LANDING SEAR MANDLE SWITCH 5 AMP CINCULT SREARER DOOR PRESTION INDICATION WARNING LIGHT AUX LANDING CEAR MELAY AUX AIR DOOR PRESTION SW BELLMOUTH RING SELLMOUTH RING SELLMOUTH RING CABLE PULLEY SECTOR IDLERIROD, AND SELLCRAMK SEWSING AND CONTROL CONTROLLER PITOT TUBE STATIC SENSOR INLET AIR TEMP HISM WARNING TEMP SENSOR	311331 311332 311332 311333 311333 311333 313133 313133 313133 329411 329412 329413	LBEA LBEC LBEC LBEC LBED LBED LBED LBED LBES LBES LBES LBES LBES LBES LBES LBES	LBOL KEA LBEF LBFG CF KEA LBAM KAE	PUNC LRAL LREC LREC LREC LREF HAL LREB LRAL LRAH LRFA	FC Fn W	17343674V AAAAAAAAA AAAAAAAAA >>>>>>>>>>>>>>>>>
85 C9 C7 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIANY AIR TOOM AUX AIR UDOR ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GEAR MANULE SWITCH 3 AND CIRCUIT SREAKER DOOM PREITION INDICATION WARMING LIGHT AUX AIR DOOM PREITION SW BELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SERSING AND CONTROL CONTROLLER PITOT TUBE STATIC SEMBOR INLET AIR TEMP MISM WARMING TEMP SEMBOR	311331 311332 311332 311333 311333 311333 311333 311333 31311 31311 329411 329412 329413 329414 329413 329416 3294	LBEAL LBEC LBEC LBEC LBEC LBED LBED LBEP LBEF LBEF LBEF LBEF LBEF LBFB LBFB LBFB	LBOL KEA LBEF LBFG CF KEA LBAM KAE	PUNC LRAL LBEA LBEC LBEF M LBEB LAAL LRAM LRFA	FC Fn W	17343674V AAAAAAAA AAAAAAAAA >00000000 CA11111100 131111131 AAAAAAAAA AAAAAAAAA
85 C9 C7 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIARY AIR TOOR AUX AIR DOOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR CONTROL AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR SELAY LANDING GEAR MANULE SWITCH S AMP CIRCUIT SREARER AUX AIR DOOR POELTON WARNING LIGHT AUX AIR DOOR POEITION SW BELLMOUTH RING BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SERSING AND CONTROL CONTROLLER PITOT TUBE STATIC SENSOR INLET AIR TEMP HISM WARNING TEMP SENSOR S AMP FUSE WARNING LIGHT	311331 311332 311332 311333 311333 311333 313133 313133 313133 329411 329412 329413	LBEA LBEA LBEC LBECA LBECA LBEDA LBEDA LBEDA LBEBA LBE	LBPL KEA LBPS LBPC CF KEA LBAN	PUNC LRAL LREC LREC LREC LREF LREF H LRES LRAL LRFA	FC Fn W	17343674V AAAAAAAA AAAAAAAA AAAAAAAA DDDDDDDDD CA1111100 13111131 AAAAAAAA AAAAAAAAA AAAAAAAAA
85 C5 C7 C8 C7 C8 C7 C8 C7 D6	AUXILLIARY AIR TOOR AUX AIR UDOR ACTATION AUX AIR UDOR ACTATION AUX AIR DOOR ACTATION AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOR SELECTOR VALVE PILOT MODE SELECTOR VALVE AUX AIR DOOR SELECTOR VALVE USEL MOUTH SELAY AUX AIR DOOR SELAY AUX AIR DOOR POSITION SW BELLMOUTH RING SELLMOUTH RING SELLMOUTH RING AUX AIR DOOR POSITION ACTUATOR CABLE PULLEY SECTOR IDLERIROD, AND SELLCRAMK SEWSING AND CONTROL SEMSING AND CONTROL CONTROLLER PITOT TUBY STATIC SEMSOR INLET AIR TEMP HISH MARNING TEMP SENSOR 3 AMP FUSE MARNING LICHT MAIN FUEL DELIVERY	311331 311332 3111332 3111334 3111333 3113133 3113133 311313 329411 329412 329414	LBEA LBEA LBEC LBECA LBEDA LBEDA LBEP LBEP LBEBA	LBPL KEA LBPS LBPC CF KEA LBAN	PUNC LRAL LREC LREC LREC LREF H LRES LRAL LRAL LRFA	FC Fn W	17343674V AAAAAAAA AAAAAAAAA >00000000 CA11111100 131111131 AAAAAAAAA AAAAAAAAA
85 C5 C7 C6 73 O1 D4 D6	AUXILLIARY AIR TOOM AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM CONTROL AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY AUX AIR DOOM RELAY AUX AIR DOOM RELAY AUX AIR DOOM RELAY AUX AIR DOOM POSITION MARNING LIGHT AUX LAMDING CEAR RELAY AUX AIR DOOM POSITION BELLMOUTH POSITION BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY SECTOR IDLER, ROO, AND SELECRAMK SEMSING AND CONTROL CONTROLLER PITOT TUBE STATIC SENSOR INLET AIR TEMP HISM MARNING TEMP SENSOR S AMP FUSE MARNING LIGHT MAIN FUEL DELIVERY PRIMARY FUEL NOZZIE SECONDARY FUEL NOZZIE SECONDARY FUEL NOZZIE	311331 311332 311332 311333 311333 311333 311333 31311 31311 31311 329411 329412 329413 329414 329413 329414 329413 329416 329413 329416	LBEA LBEA LBEC LBEC LBEC LBED LBED LBED DADA LBES LBES LBES LBES LBES LBES LBES LBES	LBPL KEA LBPS LBPC CF KEA LBAN	PUNC LRAL LREC LRED LREP LREF H LRES LRAM LRFA	FC Fn W	17343674V AAAAAAAA AAAAAAAA >>>>>>>>>>>>>>>>>>>
85 C5 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIANY AIR TOOM AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM CONTROL AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GEAR MANDLE SWITCH SAMP CINCUIT SMEAKER DOOM POSITION INDICATION AUX AIR DOOM POSITION SW WELLMOUTH FOSITION BELLMOUTH POSITION ACTUATOR CABLE PULLEY SECTOM IDLER, ROD, AND SELLCRAMK SEMSING AND CONTROL CONTROLLER PITOT TUBY STATIC SENSOR INCET AIR TEMP HISM WARMING TEMP SENSOR SAMP FUSE WARMING LICHT MAIN FUEL DELIVERY MAIN FUEL DELIVERY MAIN FUEL DELIVERY PRIMARY FUEL NOTZLE SECONDARY FUEL NOTZLE FUEL TUBING PMESSENSOR SERSON FUEL NOTZLE FUEL TUBING PMESSENSOR SECONDARY FUEL NOTZLE FUEL TUBING PMESSENSOR	311332 311332 311332 311333 311333 311333 311333 311333 31311 313133 329411 329412 329413 329414 329413 329416 329413 329416 329	LBEAL LBEC LBECA L	LBPL KEA LBPS LBPC CF KEA LBAN	PUNC LRAL LREC LRED LREP LREF H LRES LRAM LRFA	FC Fn W	17343674V AAAAAAAA AAAAAAAAA >>>>>>>>>>>>>>>>>>
85 C5 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	AUXILLIANY AIR TOOM AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM ACTATION AUX AIR DOOM SELECT AUX AIR DOOM SELECTOR VALVE PILOT MODE SELECT AUX AIR DOOM RELAY LANDING GEAR MANDLE SWITCH SAMP CINCUIT SMEAKER AUX LANDING CEAR MELAY AUX LANDING CEAR MELAY AUX LANDING CEAR MELAY AUX AIR DOOM POSITION BELLMOUTH POSITION BELLMOUTH RING BELLMOUTH ACTUATION ACTUATOR CABLE PULLEY BELLMOUTH ACTUATION ACTUATOR DELLMOUTH ACTUATION ACTUATOR CABLE PULLEY BETOM IDLER, ROD, AND BELLCRANK BENSING AND CONTROL CONTROLLER PITOT TUBY STATIC SENSOR JAMP FUSE MARNING LICHT MAIN FUEL DELIVERY PRIMARY FUEL NOZZLE BECONDARY FUEL NOZZLE FUEL TUBING BESSERING AND URAIN	311332 311332 311332 311333 311333 311333 311333 311333 31311 313133 329411 329412 329413 329414 329413 329416 329413 329416 329	LBEA LBEA LBEC LBECA LBECA LBEDA LBEDA LBEDA LBEBA LBE	LBP L KAE LBP CF KEA LBAH	PUNC LRAL LREC LREC LREC LREF H LRES LRAL LRFA LRFA	FC Fn W	17343674V AAAAAAAA AAAAAAAA >>>>>>>>>>>>>>>>>>>

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TITLE	••¢	alpus.	IWVI		PE Pie ii 123456709
MONLATION AND CONTROL			LBos LBos LBos BSoB HBo	Fueda Fueda Fueda	
HE MAIN PAIL CONTROL HE TERME BORETTO CENTROL HE FUEL BIL COOLER S AND FUEL INLET TERMERATURE SENAGO HO THROTTLE LEVER HO THROTTLE LEVER HO THROTTLE LEVER	36399 36399 36399 36399 36399	1	-		4 4 4
Figs. Plan 140164+186 Figs. Plan Thange: TTGG Figs. Plan 140164+48	3 3 30144 30144	LOADE LOADE 2 LOADES	LBADB	•	* *******
TO DAMPS INDICATES BRILDS LACT STEAT WIND LACT STEAT WIND 2 WE LIST	30104 3 3 32344 32344	LOADEC LOADE LOADE	LBAR LBBs	19478 1979	*
FUEL FILTER TEMPERATURE AMPLIFIER AND FUEL DELIMINA AND FUEL DELIMINA AND FUEL DESTRIBUTION	35394 35394 35394	£0°LBABAC	LSAUS LSAUS	LOCO LOCO	1 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
A/D FUEL SPRAYBAN A/D FUEL SPRAYBAN FUEL BIL COOLER TUBING PRESSURIZING VALVE	32347 32347 32347 32347 32347	9 L04040 2 L079C 7 L0404C		LBARA	4 4 4 4
a/6 FUEL REGULATION	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	L0400 L0400 L0400 L0400	LBADA LBAGC LBAG L	LB494	* *******
THESTTLE LEVER A/S FUEL PUMP A/S FUEL PUMP CHECK VALVE	32347	LBAGE LBAGE 196LBAGEA 118LBAGEB	LBA#	F8140	A A A A A A A A A A A A A A A A A A A
ENGINE ICHITION FILTER FILTER FILTER FILTER FILTER FILTER	32347 32347	146F948CL 136F848CL 136F848CD 156F848CC	LBABO	Føvc	A A BOASAAABG
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	W.C 3	ALPHA LBAEA	14PUT	FUNC	CD AL SEMBITIVITY FC Fm w 173496789
Ignition CE, Light For How Lengion (17) 19 Ignited WFPC	3 32344 32344 3	LBAEA • LBAEAA • LBAEAB LBAEB LBAEB	LBAEC LBAEC LBARR	FUAC LBAEA LBAEA	CD &L 5EWS!71V 7V FC FW w 173436789
us lemition tacines mais completes tacines mais completes tacines	32344 32344 32344 3 3 3 3 32344	LBAGA • LBAGAB • LBAGAB • LBAGB • LBAGB • LBAGBA • LBAGBA • LBAGC • LBAGC	LBAEC	FUNC	FC FW W 173456784
#8 Gallion Luciado maja Igaliiga CE, Liga A Higa Ligalion (, +)	3 32344 32344 3 3 3 3 3 3 3 3 3 3 3 3	LBAEA LBAEA LBAEA LBAEB LBAEB LBAEB LBAEB LBAEC LBAEC LBAEC LBAECA LBAECA LBAECA LBAECA LBAECA LBAECA LBAECA LBAECA	LBAEC LBARC LBARC	FUNC LBAEA LBARA LBARA	FC Fn w 173456788
LP HIGH TENSION L'AU IONITION EEL TION "B IGNITION FECTER UNIT "GOE SELECT "S THROTTLE SHITCH	3 32366 32366 3 3 3 3 32366 32366 32366	LBAEA LBAEA LBAEA LBAEA LBAEB LBAEB LBAEB LBAEC LB	LBAEC LBARR LBAEC LBAEC LBAEC LBAEC LBAEC LBAEC LBACC	LBAES LBAES LBAES LBAES	A AAAAAAAAA A AAAAAAAAA A AAAAAAAAA
LO HIGH TEMBION L'AS ISHITISH SEL TION "S ISHITISH SEL TION "S ISHITISH SELECT "S THEOTYLE SHITCH "S SAMP FUNE APTENDAMEN ISHITISH APE ISHITISH MO TORCH ISHITER %I SENITER	3 32344 32344 32344 32344 32344 32344 32344 32344	LOAEA LOAEA LOAEA LOAEA LOAEB	LBAEC LBAM KAC LBAM LBAA LBAA LBAA LBAA LBAA LBAA LBAA	LBAEA LBAEA LBAEB LBAEB	A AAAAAAAA AAAAAAAA AAAAAAAAA AAAAAAAA
ALABORAGE IGNILION ENT. ALABORAGE ICNILION A	32344 32344 32344 333 32344 32344 32344 32344 32344 32344	LBAEA LBAEA LBAEA LBAEB LBA	LBASC LBASS LBASS LBASS LBASS LBASS LBASS LBASS LBASS LBASS	LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA	A AAAAAAAAA AAAAAAAAA AAAAAAAAAA AAAAAA
THE POST TON TO THE POST TON TH	32344 3234 324 32	LBAEA LBAEA LBAEA LBAEB LBAEB LBAEB LBAEC LBAEC	LBAEC LBAEC	LBAEA LBAEA LBAEB LBAEB LBAEB LBAEB LBAEB LBAEB LBAEB	A ANALASAA AAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAA
### SETT OF LINE ###################################	32344 32344	LBAEA LBAEA LBAEA LBAEB LBA	LBAES LBASS	LBAEA LBAEA LBAEB LBAEB LBAEB LBABC LBABA LBABA LBABA LBABA LBABA LBABA LBABA	A AAAAAAAAA A AAAAAAAAA A AAAAAAAAA A AAAA
OF ADSISTE LYN, BEFF	32344 3234 32344 3234	LBAEA LBAEA LBAEA LBAEB LBAEB LBAEB LBAEB LBAEC LBAEC LBAEC L	LBAER LBAEC LBAMB LBAEC LBADD LBAMC LBADC	LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA	A AAAAAAAAA AAAAAAAAA AAAAAAAAAAAAAAAA
99 OUTER PARTY 1001110F EET TON 1001110F EET TON 1001110F EET TIEN	32346 32346	LBAEA	LBAER LBAEC LBAMB LBAEC LBADD LBAMC LBADC	LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA LBAEA	A ANALAMANA A A A A ANALAMANA A A A A ANALAMANA A A A A A A A ANALAMANA A A A A A A A A A A A A A A A A A

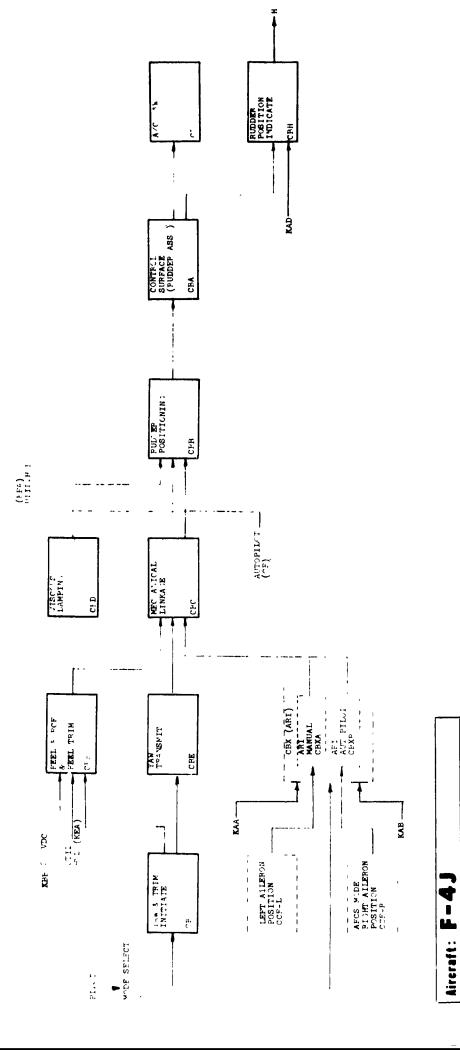
				DEP	CO AL BENEITIVITY
TITLE RS RUO	NUC 393444	ALPHA Bolbabbp	INPUT	FUNC	FC FN W 123454749
R4 R00 R5 R00	323444	POPBYBBS POPBYBBS			
NA HOZZLE AREA CONTROL VALVE NY FERDMACK CABLE	353747	LBASSS LBASST			Ă
PRESSURE GENERATION	3	LBARD	LBCD LBAK	FBY88	*******
80 NOZZLE PUMP	323408	LBABO LBABOA	LBCF		
SIGNAL SENSING	3	LBABC LBABC	LHADB	LRABB	******
	3	LBABC	LBARB LBAG		
Et	3 3 32 3492	LBABC LBABC	CF		
S3 CONTROL ALTERNATOR S4 TEMPERA 'URE AMPLIFIER EXHAUST GAS THERMOCOUPLE	323A93 351424	LBASCB			•
84 BRANCHEC CABLE 01+FUEL DELIVERY TO LM ENGINE	323491	LBASCO LBSA	KBA	LBADA	049595530
FUEL DELIVERY TO ENGINES	4	LBBA	888	LRAGE	4444444
STRAINER/DRAIN VALVE Mainfold Shutoff Valve	429C1- 44613G	LBBAA			Å
ENGINE FEED MANIFOLD 16 LH PUMP CHECK VALVE	446137	LBBAC			Å
L DROP TANK FILOT VALVE L DROP TANK FUEL CONTROL V	446222	FBSH1			Å
L DROP TANK FUEL DISCONNEC L DROP TANK FUEL SHITOFF V L GROP TANK	446226 446232	L BOHL			Â
L DROP TANK AIR DISCONNECT	446219	LBBJF			Å
L DROP TANK PRESS REGULATO	M446215 446216	LOBJH			Ž
L PRESSURE CHECK FITTING	44621C	LBBJK			Ä
L WING I/B LEVEL SHUTOFF V L WING O/B LEVEL SHUTOFF V	440378	LBBLD			A A
L WING TANK PRESS REGULATO		LBBMA			Å
L MOT AIR CHECK VALVE L WING PRESS CHECK FITTING	446116	LBBMC			Å
L WING PRESS/YENT VALVE L WING TANK DRAIN VALVE ES L ENGINE MASTER SWITCH	446118 446114 42347•	LBBMF			A A
L PRESSURE TRANSMITTER	451815	LBREA			Ä
				DEP	CD AL SENSITIVITY
TITLE	WUC	ALPHA	NPUT		FC FN W 123456789
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUTOFF V	444153 44 42 26	LBBPA LBBHM	INPUT		CD AL BENSITIVITY FC FN W 123456789
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUTOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION	V446153 446226 446224	LBBPA LBBHM LBBHK LBCA	I NPUT	FUNC	FC FN W 123496789
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUYOFF V L DROP TANK CONTROL VILVE ENGINE DIL DISTRIBUTION DISTRIBUTION	V446153 446226 446224 - -23487	LBDPA LBBHK LBCA LBCA LBCA 10LBCAA		FUNC	FC FN W 123496789
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZ OIL NOZZLES OJ L TUBING OIL SCAVENCE	V446153 446226 446224 - -23487	LBBPA LBBHM LBCA LBCA LBCA 10LBCAA 00LBCAB LBCF		FUNC LBCF LBAS LBAF	FC FN W 1234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZ OIL NOZZLES OIL TUBING OIL SCAVENGE BCAVANGE O NO I BCAVENGE PUMP	V446153 446224 446224 -23487 -23487	LBBPA LBBHM LBCA LBCA LBCA 10LBCA 00LBCAB LBCF LBCF LBCFA	Lace	FUNC LBCF LBAS LBAF	FC FN W 1234967A9 A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZ OIL NOZILES O3 OIL TUBING OIL SCAVENGE SCAVANCE O6 NO 1 SCAVENGE PUMP O7 NO 2 BCAVENGE PUMP O8 NO 3 SCAVENGE PUMP	V446153 446226 446224 -23487 -23487 -23487 -23483 -23484	LBDPA LBBHM LBBHK LBCA LBCA 10LBCAA 00LBCAA 00LBCAB LBCF LBCF LBCF LBCFA LBCFA LBCFA LBCFA LBCFA LBCFA	Lace	FUNC LBCF LBAS LBAF	FC FN W 1234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUYOFF V L DROP TANK COMTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZ OIL NOZZLES 03 OIL TUBING OIL SCAVENGE SCAVENGE SCAVENGE OT NO Z BCAVENGE PUMP 09 COD FILTER 10 VARIABLE NOZZLE FILTER	Y446153 446224 -23487 -23487 -23487 -23483 -23484 -4224	LBBPA LBBHM LBBHK LBCA LBCA 10LBCAA 00LBCAA LBCF LBCF LBCFA LBCFA LBCFA LBCFC LBCFC LBCFC LBCFC	Lace	FUNC LBCF LBAS LBAF	FC FN W 1234967A9 A A O49995920 AAAAAAAAA AAAAAAAAA A AAAAAAAAAA
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZ OIL NOZZLES OJ OIL TUBING OIL SCAVENGE SCAVANGE SCAVANGE OS NO 1 SCAVENGE PUMP OF NO 2 SCAVENGE PUMP OD NO 3 SCAVENGE PUMP OD COD FILTER 10 VARIABLE NOZZLE FILTER 11 VARIABLE NOZZLE FILTER	9446153 446224 -23487: -23487: -23487: -23484: -23484: -23484: -2348:	LBDPA LBBMM LBCA LBCA LBCA 10LBCAA 00LBCAA LBCF LBCFA LBCFA LBCFA LBCFA LBCFB LBCFB LBCFB LBCFB LBCFB LBCFB LBCFB LBCFB LBCFG	Lace	FUNC LBCF LBAS LBAF	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZOLES 03 OIL TUBING OIL SCAVENGE BCAVANGE 06 NO 1 ECAVENGE PUMP 07 NO 2 BCAVENGE PUMP 09 COD FILTER 10 VARIABLE NOZZLE FILTER	9446153 446224 23487; -23487; -23484 -22363 -23484 -2227 -23400 -23400	LBDPA LBBMM LBCA LBCA LBCA 10LBCAA 00LBCAA LBCF LBCFA LBCFA LBCFA LBCFA LBCFB LBCFB LBCFB LBCFB LBCFB LBCFB LBCFB LBCFB LBCFG	Lace	FUNC LBCF LBAS LBAF	FC FN W 1234967A9 A A DASSSS20 AAAAAAAA AAAAAAAAA A AAAAAAAAA A AAAA
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION OZ OIL NOZZLES OO OIL TUBING OIL SCAVENGE BECAVANGE OB NO 1 SCAVENGE PUMP OF NO 2 SCAVENGE PUMP OF NO 3 SCAVENGE PUMP OF OF FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CHECK VALVE 13 SCAVENGE OIL FILTER OIL SUPPLY	V446153 446226 446224 -23,487; -23,487; -23,483 42227 -23,400 -23,400 -23,400	LBDPA LBBMM LBBMM LBCA LBCA 1DLBCAA DOLBCEA LBCF LBCFA	LBCA	PUNC LBCF LBAS LBAF LBCE LBABD	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SHUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION OZ OIL NOZZLES OJ OIL TUBING OIL SCAVENGE SCAVANGE OF NO Z SCAVENGE PUMP OF NO Z SCAVENGE PUMP OO NO J SCAVENGE PUMP OO NO J SCAVENGE PUMP I VARIABLE MOZZLE FILTER I VARIABLE MOZZLE FILTER I VARIABLE MOZZLE FILTER I VARIABLE MOZZLE FILTER OIL SUMPLY 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CHECK VALVE	V446153 446226 446224 -23,487; -23,487; -23,487; -23,484; -42227 -23,484; -23,484; -23,484; -23,484;	LBBPA LBBMM LBBMM LBCA LBCA 1GLBCAA 1GLBCAA 1GLBCFA LBCF LBCFA LBC	LBCA	PUNC LBCF LBAS LBAF LBCE LBABD	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION OZ OIL NOZZLES OJ DIL TUBING OIL SCAVENGE SCAVANGE OF NO Z BCAVENGE PUMP OF NO Z BCAVENGE PUMP OO NO J BCAVENGE PUMP OO COD FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE DIL FILTER OIL SUMPLY 17 OIL TANK 18 PRESBURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL WARNING	V446153 446226 446224 -23487: -23487: -23487: -23484: -22489: -23400 -23400 -23400 -23400 -23400 -23400	LBDPA LBBMM LBBMM LBCA LBCA LBCA 10LBCAAB LBCF LBCF LBCFB LBCB LBC	LBCA	PUNC LBCF LBAS LBAF LBCE LBABD	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DO 11L TUBING OIL SCAVENGE SCAVANGE O NO 1 ECAVENGE PUMP OF NO 2 ECAVENGE PUMP OF COO FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE DIL FILTER OIL SUPPLY 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL WARNING OIL LEVEL MARNING OIL LEVEL MARNING LIGHT	V446153 446226 446224 -23487; -23487; -23483; -23484 -2227; -23400; -23400; -23470; -23470;	LBDPA LBBHM LBBHM LBCA LBCA LBCA 10LBCAAB 10LBCFA LBCFC LBCF	LBCA LBANG LBCF	PUNC LBCF LBAS LBAF LBCE LBABD	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DO 11 NOZZLES 03 OIL TUBING OIL SCAVENGE PUMP 06 NO 3 ECAVENGE PUMP 07 NO 2 ECAVENGE PUMP 09 COD FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE PUMP 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL WARNING OIL LEVEL MARNING OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL SENSOR 5 AMP FUSE	V446153 446226 446224 23487 -23487 -23487 -23489 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400	LBDPA LBDMM LBBMA LBCA LBCA LBCA 10LBCAB 10LBCAB 10LBCFA LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCE LBCFM LBCE LBCE LBCE LBCE LBCE LBCE LBCE LBCE	LBCA LBCA LBCA LBCA LBCA LBCA	PUNC LBCF LBAS LBAF LBCE LBABD	FC FN W 1234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DI STATEBUTION DI SCAVENGE SCAVANGE ON O 1 SCAVENGE PUMP OF NO 2 SCAVENGE PUMP OS NO 3 SCAVENGE PUMP OS NO 3 SCAVENGE PUMP 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE OIL FILTER OIL SUMPLY 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL WARNING OIL LEVEL WARNING LIGHT OIL LEVEL SENSOR 5 AMP FUSE PRESSUME GEMERATION	-23A87 -23A87 -23A87 -23A87 -23A83 -23A83 -23A84 -2227 -23A00	LBDPA LBDHM LBBHM LBCA LBCA LBCA 10LBCAAB 10LBCF LBCF LBCFC LBCCC	LBCA LBANG LBCF	PUNC LBGF LBAS LBAF LBGE LBABD	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DO 11 NOZZLES 03 OIL TUBING OIL SCAVENGE PUMP 06 NO 3 ECAVENGE PUMP 07 NO 2 ECAVENGE PUMP 09 COD FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE PUMP 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL WARNING OIL LEVEL MARNING OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL SENSOR 5 AMP FUSE	+446153 446226 446224 -23487; -23487; -23484 -4227 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400 -23400	LBDPA LBDMM LBBMA LBCA LBCA 10LBCAB 10LBCAB 10LBCFA LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCEE LBCFM LBCM LBCM LBCM LBCM LBCM LBCM LBCM LBC	LBCA LBCA LBCA LBCA LBCE KAE LBCE LBAK LBCO	PUNC LBCF LBAS LBAF LBCE LBABD LBCH LBCCH LKAU H	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF Y L DROP TANK FEUL SMUYOFF Y L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DISTRIBUTION DI STATEBUTION DI SCAVENGE SCAVANGE SCAVANGE ON DI SCAVENGE PUMP ON DI SCAVENGE PUMP OV ARIABLE MOZZLE FILTER 12 CHECK VALVE 13 SCAVENGE PUMP 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CHECK VALVE LOW LEVEL WARNING OIL LEVEL WARNING OIL LEVEL WARNING LIGHT OIL LEVEL WARNING LIGHT OIL LEVEL WARNING LIGHT OIL LEVEL SENSOR PRESSURE CEMERATION 29 MAIN OIL PUMP OIL PRESSURE INDICATION 3 AMP FUSE	-23487 -23487 -23487 -23487 -23487 -23484 -2227 -23400 -23	LBDPA LBDMM LBBMA LBCA LBCA LBCA 10LBCAB 00LBCF LBCFA LBCFA LBCFC LBCCC	LBCA LBCA LBCC LBCC KAE LBCC LBCC LBCC LBCC LBCC LBCC LBCC LBC	PUNC LBCF LBAB LBAF LBCE LBABD LBCH LBCD LKAU H LBCG LBABD LBCC	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF Y L DROP TANK FEUL SMUYOFF Y L DROP TANK FEUL SMUYOFF Y L DROP TANK CONTROL YCLVE ENGINE OIL DISTRIBUTION DISTRIBUTION DISTRIBUTION DI SCAVENGE DI SCAVENGE ON O 1 SCAVENGE PUMP ON O 2 SCAVENGE PUMP OF CAD FILTER 10 VARIABLE NOZZLE FILTER 11 VARIABLE NOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE DIMP OIL SUPPLY 17 OIL TANK 18 PRESEURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL MARNING OIL LEVEL AMPLIFIER LOW LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL SENSOR SAMP FUSE PRESSUME TRANSMITTER	-23487 -23487 -23487 -23487 -23487 -23484 -23484 -23484 -23489 -2349 -2349 -2349 -2349 -2349 -2349	LBDPA LBDMM LBBMA LBCA LBCA LBCCA 10LBCAAB LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCEF LBCEF LBCEF LBCE LBCEF LBCE LBCE LBCEAB LBCMA LBCCA LBCGA LBCGA LBCGA LBCGA LBCGGA LBCGGA LBCGGA LBCGGCA LBCGGCA LBCGGCA LBCGGCA LBCGGCCA LBCCGCCA LBCCCCA	LBCA LBCA LBCA LBCE KAE LBCC KAD	PUNC LBGF LBAS LBAF LBCE LBABD LBCD LKAU H LBCS LBABD LBCC H	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION OZ OIL NOZZLES OJ DIL TUBING OIL SCAVENGE SCAVANGE OR NO I SCAVENGE PUMP OT NO Z BCAVENGE PUMP OF NO Z BCAVENGE PUMP OO OD FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE L VARIABLE MOZZLE FILTER OIL SUMPLY TO LL TANK 18 PRESSURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL MARNING OIL LEVEL MARNING OIL LEVEL MARNING OIL LEVEL MARNING OIL LEVEL WARNING IL LEVEL WARNING OIL LEVEL SANGOR 5 AMP FUSE PRESSURE GEMERATION 29 MAIN OIL PUMP OIL PRESSURE INDICATION 5 AMP FUSE PRESSURE TRANSMITTER PRESSURE TANASMITTER PRESSURE MOLCATOR P	-23A87 -23A87 -23A87 -23A87 -23A87 -23A87 -23A84 -23A84 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9 -23A9	LBDPA LBBMM LBBMM LBCA LBCA LBCA LBCA LBCF LBCF LBCF LBCF LBCF LBCF LBCF LBCF	LBCA LBCA LBCA LBCA LBCC KAE LBCC KAO LBCO KAO	PUNC LBCF LBAS LBAF LBCE LBCB LBCD LKAU H LBCC LBABO LBCC H	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF Y L DROP TANK FEUL SMUYOFF Y L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DISTRIBUTION DI IL TUBING OIL SCAVENGE PUMP OF NO 2 SCAVENGE PUMP OF NO 2 SCAVENGE PUMP OF CAD FILTER 10 VARIABLE NOZZLE FILTER 11 VARIABLE NOZZLE FILTER 12 CHECK VALVE 13 SCAVENGE OIL FILTER OIL SUPPLY 17 OIL TANK 18 PRESSURE IZE/VACUUM VALVE 19 CHECK VALVE LOW LEVEL WARNING OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL MARNING LIGHT OIL LEVEL SENSOR PRESSURE GENERATION 29 MAIN OIL PUMP OIL PRESSURE INDICATION 3 AMP FUSE PRESSURE INDICATOR PRESSURE FAMORITTER PRESSURE INDICATOR PRESSURE FAMORITTER PRESSURE INDICATOR PRESSURE TANGETTER PRESSURE TANGETER PRESSURE TANGETTER PRESSURE TANGE	-23487 -23487 -23487 -23487 -23487 -23484 -42227 -23400 -2	LBDPA LBDMM LBBMA LBCA LBCA 10LBCAA 10LBCAA 10LBCAA 10LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCE LBCE LBCE LBCE LBCE LBCE LBCE LBCE	LBCA LBCA LBCA LBCE KAE LBCC KAD	PUNC LBGF LBAS LBAF LBCE LBABD LBCD LKAU H LBCS LBABD LBCC H	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF Y L DROP TANK FEUL SMUYOFF Y L DROP TANK FEUL SMUYOFF Y L DROP TANK CONTROL YCLYE ENGINE OIL DISTRIBUTION DISTRIBUTION DI STATEBUTION DI STATEBUTION DI SCAVENGE SCAVANGE ON DI SCAVENGE PUMP ON DI SCAVENGE PUMP ON DI SCAVENGE PUMP OF CAD FILTER 10 VARIABLE NOZZLE FILTER 11 VARIABLE NOZZLE FILTER 12 CHECK VALVE 13 SCAVENGE DIMP OIL SUPPLY 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CHECK VALVE LOW LEVEL MARNING OIL LEVEL AMPLIFIER LOW LEVEL MARNING LIGHT OIL LEVEL AMPLIFIER DOW LEVEL MARNING LIGHT OIL LEVEL SENSOR SAMP FUSE PRESSURE GEMERATION 29 MAIN OIL PUMP OIL PRESSURE TRANSMITTER PRESSURE TRANSM	+ 444153 446226 446224 - 23487 - 23487 - 23487 - 23484 - 42227 - 23400 - 23	LBDPA LBDMM LBBMA LBCA LBCA LBCA 10LBCAB LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCEF LBCEF LBCEF LBCE LBCE LBCE LBCE LBCE LBCE LBCE LBCE	LBCA LBCA LBCA LBCA LBCC KAE LBCC KAD LBCD BAZ LBADO	PUNC LBCF LBAB LBAB LBCE LBABD LBCC LBABD LBCC H LBCC LBABD LBCC LBABD LBCC LBCA	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUTOFF V L DROP TANK FEUL SMUTOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION OIL TOUR OIL TOUR OIL TOUR OIL SCAVENGE SCAVANGE ON O I SCAVENGE PUMP OF NO I SCAVENGE PUMP OF SCAVENGE OF FILTER IN VARIABLE MOZILE FILTER IN VARIABLE MOZILE FILTER IN VARIABLE MOZILE FILTER OIL SUMPLY TO CHECK VALVE LOW LEVEL WARNING OIL LEVEL WARNING OIL LEVEL WARNING LIGHT OIL LEVEL WARNING LIGHT OIL LEVEL WARNING LIGHT OIL LEVEL SENSOR IN MP FUSE PRESSURE GEMERATION 29 MAIN OIL PUMP OIL PRESSURE INDICATION 34 RELIEF VALVE TENPERSTURE CONTROL 39 AIR OIL COOLER 40 MAIN FUEL OIL COOLER 41 AOS FUEL OIL COOLER 41 AOS FUEL OIL COOLER 42 TERPERSTURE RESULATION	-23A87 -23A87 -23A87 -23A87 -23A87 -23A87 -23A87 -23A9	LBDPA LBDHM LBBHM LBCA LBCA LBCA LBCA 10LBCAAB 10LBCF LBCF LBCF LBCF LBCF LBCF LBCF LBCF	LBCA LBCA LBCA LBCA LBCC KAE LBCC KAD LBCO KAD LBCO LBCC	PUNC LBCF LBAB LBAF LBCE LBABD LBCC LBCD LKAU H LBCC LBABD LBCC H LBCC LBABD LBCC LBCD LBCD LKAU	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A
L WING TANK LEVEL CONTROL L DROP TANK FEUL SMUYOFF V L DROP TANK FEUL SMUYOFF V L DROP TANK FEUL SMUYOFF V L DROP TANK CONTROL VILVE ENGINE OIL DISTRIBUTION DISTRIBUTION DI STATEBUTION DI JUSTING OIL SCAVENGE SCAVANGE OIL SCAVENGE PUMP ON DI SCAVENGE PUMP ON DI SCAVENGE PUMP OO COO FILTER 10 VARIABLE MOZZLE FILTER 11 VARIABLE MOZZLE FILTER 12 CMECK VALVE 13 SCAVENGE DIL FILTER OIL SUPPLY 17 OIL TANK 18 PRESSURIZE/VACUUM VALVE 19 CMECK VALVE LOW LEVEL MARNING LIGHT OIL LEVEL AMPLIPIER LOW LEVEL MARNING LIGHT OIL LEVEL AMPLIPIER PRESSURE GENERATION 29 MAIN OIL PUMP OIL PRESSURE GENERATION 3 AMP FUSE PRESSURE TRANSMITTER PRESSURE TRANSMITTER PRESSURE REGULATION 34 AIR OIL COOLER 40 MAIN FUEL OIL COOLER 41 AOB FUEL OIL COOLER	-23A87 -23A87 -23A87 -23A87 -23A87 -23A87 -23A87 -23A9	LBDPA LBBMM LBBMA LBCA LBCA LBCA 10LBCAAB 10LBCF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFF LBCFC LBCCC	LBCA LBCA LBCA LBCA LBCC KAE LBCC KAD LBCD BAZ LBADO	PUNC LBCF LBAB LBAB LBCE LBABD LBCC LBABD LBCC H LBCC LBABD LBCC LBABD LBCC LBCA	FC FN W 3234967A9 A A A A A A A A A A A A A A A A A A



Section C



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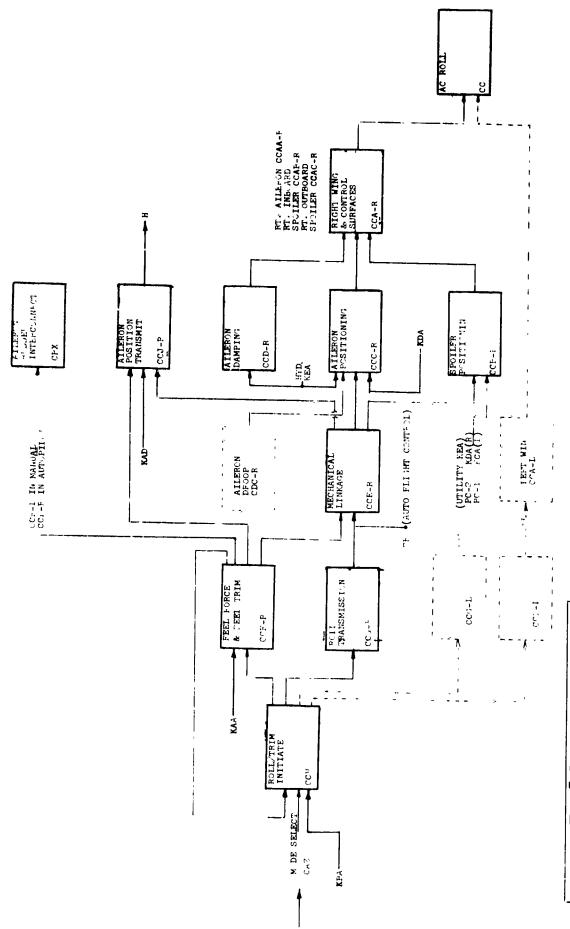


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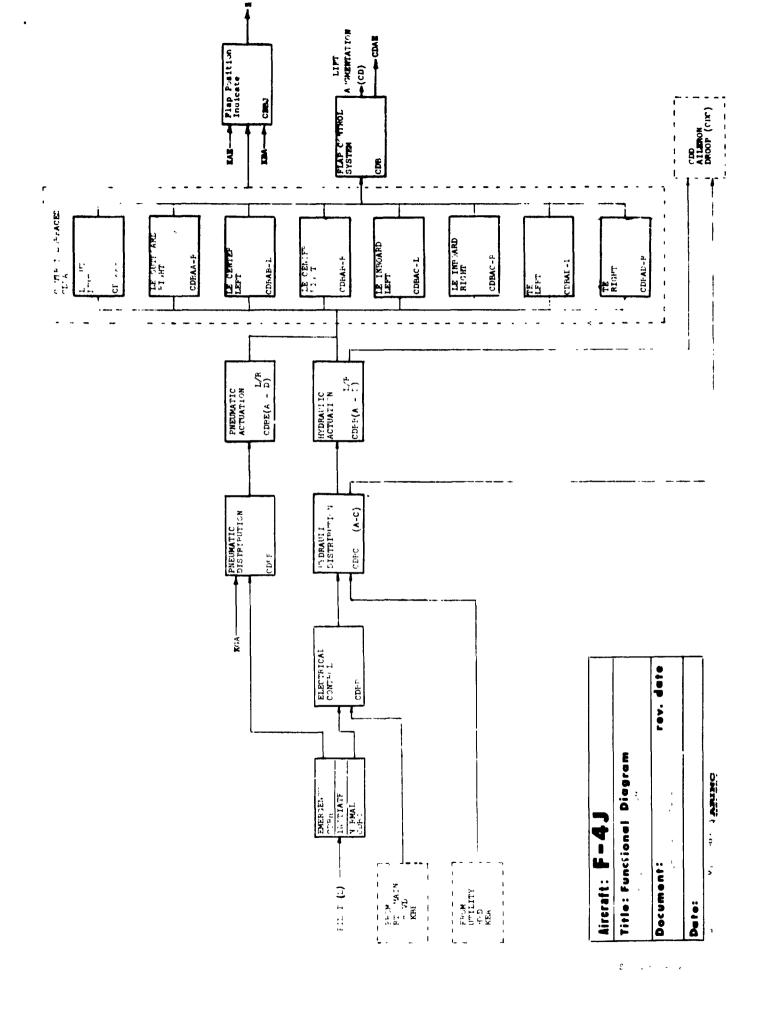
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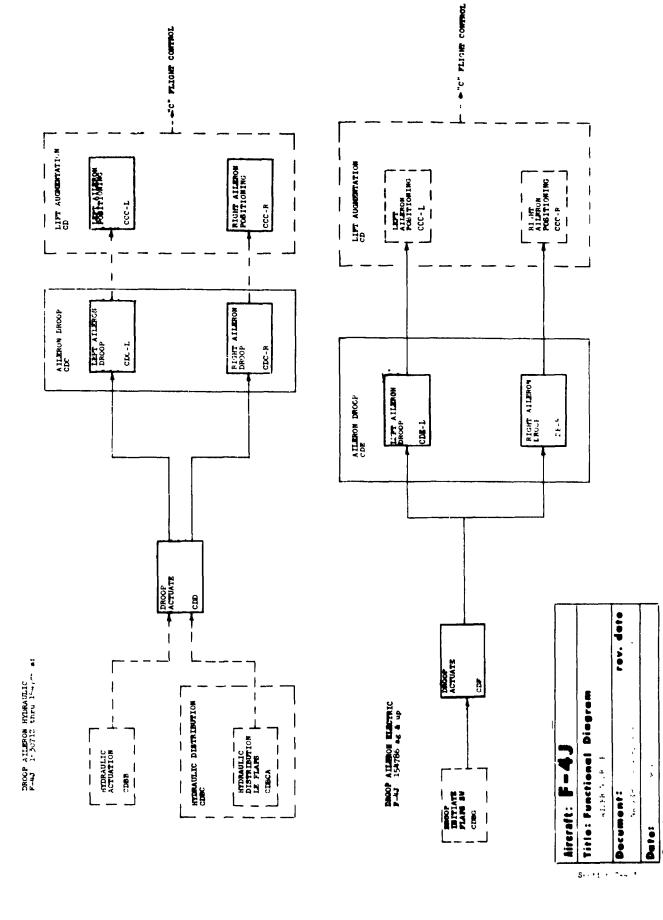
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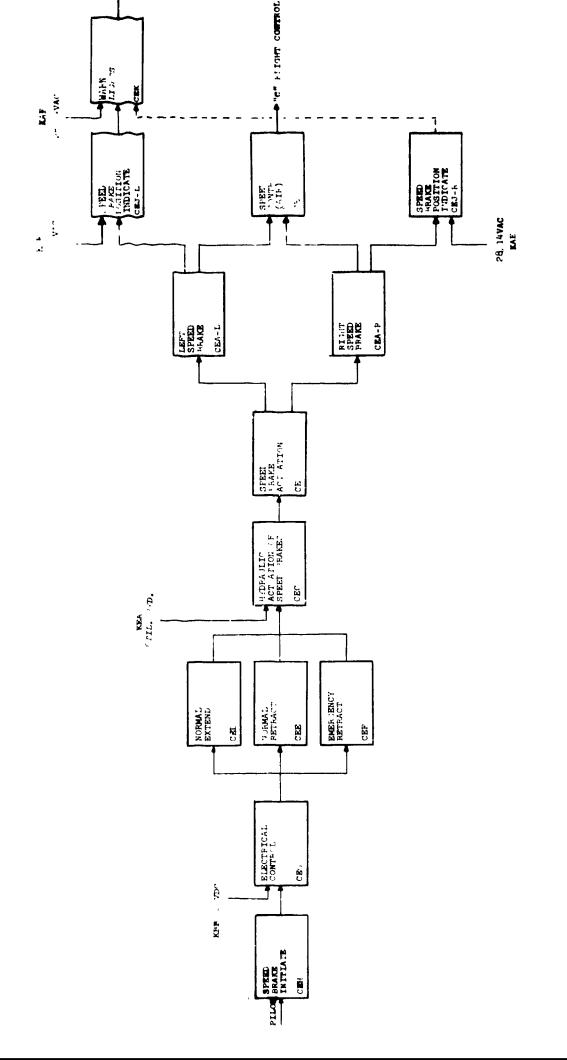
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TITUE OFLIGHT CONTROLS	•	##*** E C C C		PURC	CB AL SEMBITIVITY PC PM W 183404709 BAAAAAAB
OAIRCRAFT PITCH CONTROL SUMPACE STABILATOR ABBEMBLY COVER ABBEMBLY STEEL TE HAMBYCOMB ALATTED LEADING EDGE HINGE TITTING STABILATOR TIP STABILATOR TIP	14346 14343 14343 14343 14343 14343	CAA CAAA CAAA CAAA CAAC CAAC CAAC CAAC	644 644	č.	CAAAAAAA AAAAAAAAA 2 2 2 2 3 5 4 4 2
BTABILATON BRIN ACTUATOR PITTING -GTABILATON POSITIONING	14319	CAB CAB CAB CAB CAB CAB CAB	RCA RCA GAC RGAF LGAF KEA	CAA	* ********
STABILATOR POWER CHT CYL. TOROUE TUBE ABBRINGLY FORCE LINK SPRING CARTRIDGE POWER CONTROL VALVE CONTROL ROD FORCE LINK SELLCRAME ATTA FORTON	14326 14336 14336 14326 14327 14326 14324	CABA GABB GABC GABC GABE GABE GABB GABB			A 0 0 A A A
STAR CONTROL MERM OVERNIDE SPRING CARTRIDGE OVERNALICAL LINKAGE RIGHT CONTROL CABLE SILLCRANK TURNAUCHLES	14336 14320 14320 14320	CABJ REAF REAFA REAFB REAFE	ÇAG	CAB	999999999 A
PULLEY -MECMANICAL LIMMAGE LEFT CONTROL LABLE BELLGRAMM TURNBUCKLES PULLEY	14320 14320 14320 14320 14320	LCAPE	EAG	CAB	A 555555555
OPITCH AND TRIN INITIATE		ÇA G	GAC GAZ	PCV.	A444444
TITLE	vuc	ALPHA CAB	IMPUT KAA	DEP FUNC	CD AL SENSITIVITY FC FM W 123456789
TORGUE TUBE BELLCRAMK PURM ROD TORGUE TUBE CONTROL STICK ASSY	1433• 1433• 14118 14110	CAG CAGA CAGG CCHA CCHG	KBA		A A A
TRIM SHITCH *PEEL FORCE AND FEEL TRIM FEEL TRIM ACTUATOR BELLOWS ASSY	14113	CAC CAC CACA CACA CACA	CAG	CAE	4444444 072222270 44444444
LINK ASSY FEEL TRIM PICKUP PROSE HTR TRIM VENTURI MEATER TRIM RELAY PANSL IDLER ASSY LIMIT SWITCH FEEL SYSTEM SALANCE ASSY I TAME SELLOWS ENLANCE	14336 14336 14336 14336 14389	CAGO CAGE CAGE CAGE CAGE CAGI			
PEEL BYSTEM BALANCE •VISCOUS DAMPING	14324	CAD		CAC	055555550
STAB VISCOUS DAMPER TRIM POSITION INDIGATE POSITION TRANSMITTER STAB POSITION INDIGATOR	14334 31481 51681	CAR	CAC CAC	H	001080050
MODE BELECT *AIRGRAFF YAU *CONTROL BURFACE		CBA CBA CAZ	600 F01	CAS CBM CB	444444 6 - 1882 6 - 1
RUDDER ABBEMBLY HORN ABBY TE HOMEYCOMB TE ABBY RUBDER STRUCTUME HINGE FITTING COUNTER BALANCE WEIGHT RUBDER ROTARY DAMPER *RUDDER POBITIONING	1441 1441 1441 1441 1441 1441	CBAB CBAC CBAD CBAE CBAF			A 2 2 4 8
	-	(86 (86 (86 (88	CBC CBC CF KEA	684	4444444
RUDDER POWER CONTROL CYL - MEGMARICAL LIMKAGE	1448;		ÇBE ÇBY ÇBX	CB6	* *****

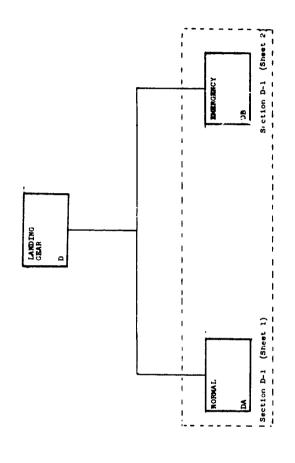
7176	WUC	ALPHA	Į Nel	DEP PUT FUNC	CD AL BENGITIVITY FC FN W 123496789
-A18core Dansing -A18core Dansing	144				A
NAMES VINCOUS DANGED	144	CBO 24 CBGA		C 86	093933550
METIEL ANTAE	144	. (100			A
OFEEL FORCE AND FEEL TRIN	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	COF	CBC		A 07 22222 70
		CDF	KEA		0,42655,0
RUBDER FEEL SELECTOR VAL	VE 1443	S COFA	- 196	•	A
ACTUATOR ABBY	1443				A
IDLER ASSY RUDDER AIR SPEED SWITCH	1443				A A
THAT TRANSMIT RUDGER CONTROL CABLES		COE	CBL	CBC	*
CABLE PULLEY	1442	· CRES			4
θ€LLCRANK Con'rd∟ roos	1442				A
STAN AND TREM INSTITUTE	• • • •	CRG	CAL	CBF	4
RUDDER PENALS	1442			CBE	AAAAAAA
TRIM BUITCH RUDGER TRIM TRANSMITTER	1443 5162				Ä
PRODUCT POSITION INDICATE			KAD	н	A 331000a10
RUDDER POSITION INDICATOR *** HODE SELECTION	5162				1
MAILERON RUDGE INTERGONNE	cT	CAZ	E CR×4	CSC	*****
		CBX	CRXE		011111110
		CBX	CAZ Kab		
ARI MANUAL		CBX CBXA	LCCF	CBC	
ARÍ SERVO ACTUATOR ARÍ SERVO	14422	CBXAA	200	CBC	J11111110 A
ARI AUTO ARI BERVO ACTUATOR		CBXA	RCCF	280	A 011111110
AR! BERVO	14422				A
SATRCHAFT ROLL		CC	RCCA	c	A 0444444C
ORT WING CONTROL SURFACES		RCC4	RCCB	cc	
		RCCA RCCA	RCC	•••	3766 ,90
RIGHT AILERON ASSY RIGHT IMBOARD SPOILER ASS	14210	RCCAA	-663		A
MIGHT OUTBOARD SPOILER ASS	Y 14 2 40 BY 14 2 40	RCCAC			2 2
MATLERON DAMPING DAMPER CYLINDER ASSY	14821	RCCD	KEA	HCCA	042222240
AEFIER AVFAE	WUC	ALPHA	INPUT	DEP FUNC	CD AL SENSITIVITY FC FN W 123454789
+SPOILER POSITIONING	14229	RCCDR	RCCE	RCCA	4 021111130
IMPRIME CONT. TO		RCCB RCCB	KDA KDA		********
INBOARD SPOILER PUR CYL Outboard Spoiler pur Cyl	14252	RCCBA			4
SPOILER FOLLOW UP ROD ASSY FOLLOW UP TOROUF TUBE ASSY	1425+	RCCBBA			A A
LATERAL CONTROL ROD ASSY DUAL SERVO VALVE	1425• 1425•	RCCBBC			Ā
*AIL GON POSITIONING	14253	RCCBBD RCCC	75ce	Deca	A
		4666	KFA	RCCA	J966666C
AILERON POWER CONTROL CYL		RCCG RCCG	ROA		
LAY CYML BELLCHANK ASRY	14222	RCCGA			.
LAT CTRL ROD ABBY *MECHANICAL LINKAGE	14218	RCCE	8001		A ±
		RCCE	RCCF	RCCC	4444444 4444444
WALKING BEAM BELLCRANK	14271	RCCEA	CF	RCCR	AAAAAAA
IDLER ASSEMBLY LATERAL CONTROL LINKAGE	14272	RCCED			Ā
OFEEL FORCE AND PEEL TRIM		RCCF	CCH	CCH	A 072222270
CARTRA CAR		RCCF RCCF	KAA	CGF	444444A 44444A
CARTRIDGE JACK ACTUATOR TRIM ROTARY ACTUATOR	14262	RCCFA RCCFB			A
FLEX DRIVE CABLE	14266	RCCFC			Å
ARI POSITION TRANSDUCER	1426+ 5162R	CCFE			^
OVERRIDE SPRING LARTRIDGS	14223	RCCG RCCGA	2C-4	HCCE	09464440
LINKAGE *AILERON POSITION TRANSMIT		RCCGR	80-		A .
ies es estitad (namami)		RCCJ RCCJ	CCF	н	031000010
WING POSITION TRANSMITTER	51622	RCCJ4	K 4		
ATLERON POSITION INDICATOR PLEET MING CONTROL SURFACES	51621	#CCJA			A A
AND AND COMMON SOME SEED		LCCA LCCA	LCCH LCCC	c¢	C******O
LEFT AILERON ASSEMBLY		LCCA	LCCL		
LEFT INBOARD SPOILER ASSY LEFT OUTBOARD SPOILER ASSY	14240	LCCAA LCCAR			A 2
TAILERON DAMPING	1	LCCAC LCCO	KE4 L	CCA	2
DAMPER CYLINDER ABBY Relief valve	14821	LCC04			002222200
	14229	LCCDR			A

TITLE	YUC	ALPHA	19 P U	T PLAC	CD AL SENSITIVITY FC FN H 123456789
*SPEILER POSITIONING		LCCB LCCB	KET FECF	LCC4	021111120
IMBOARO SPOILER PUR CYL OUTBOARD SPOILER PUR CYL SPOILER FOLLON UP ROO ABE FOLLON UP TORGUE TUBE ABE LATERAL CONTROL ROO ASEV OUAL SERVO VALVE	1429; 1429; 7 1429; 7 1429; 1429; 1429;	LCC00 LCC000 LCC000 LCC000	#C4		& A A A
*AILERÓN PÖSITTÖNING		1000 1000	LCCL LCCC KEA	FLCT	096664690
ATLERON POWER CONTROL CYL LAT CTRL RELLCRANK ASSY LAT CTRL ROD ABSY *MECHANICAL LINKAUE	14221 14229 14214	LCCCR	XCA LCC>	LCCC	4 4 4
WALKING BEAM BELLCRANK IDLER ASSY LATERAL CONTROL LINKAGE	14271 14272 14270	LCCEC	CF	LCCB LCCB	# # # # # # # # # # # # # # # # # # #
CARTRIDGE JACK ACTUATOR TRIM RUTARY ACTUATOR	14262 14261	LCCF LCCF LCCFA	KAA	CQX CCE CCH	07222270 AAAAAAA AAAAAAA
PLEX DRIVE CARLE ELECTRICAL CONTROL ARI POSITION TRANSOUCER *ROLL TRANSMISSION OVERRIDE SPRING CARTRIDGE	14266 14269 51628	LCCFC LCCFD LCCFE LCCG	CC=	LCCE	A A A 094666890
LIMMAGE -AILERON POSITION TRANSMIT WING POSITION TRANSMITTER	51422	LCCU LCCJ LCCJ	LCCF LCCL Kau	н	030000010
ALLERON POSITION INDICATOR PROLL AND TRIM INITIATE	51621	CCH CCH CCH CCH CCH	LCCF RCCS GAZ KBA	LCCF RCCF LCCG 4CCG	A U9999999 U9999999 AAAAAAA
LATERAL TORQUE TUBE CONTROL STICK ASSY TRIM SWITCH MODE SELECT LIFT AUGMENTATION	14118 14110 14115	CCHA CHC CHC CAZ CD	CDA	CCH	AAAAAAAA A A AAAAAAAA 040000270
TITLE	⊌∪ c	ALPHA CD	INPUT CDC	DEP FUNC	CC AL SENSITIVITY FC FN W 123436789
BOUNDARY LAYER CONTROL -RIGHT BOUNDARY LAYER AIR		CDA CDA RCDAA RCDAA	RCDAA RCDAAA RCDAAA	CDA CDAE	040000440 AAAAAAAA AAAAAAAA
-RIGHT TE BOUNDARY LAYER SYS	41541	RCDAA RCDAA RCDAAA RCDAAAA	RCDAAC BAH RCDAB	RCDAA	0.0000080
SMUTOFF VALVE TE INDICATOR TE TRANSMITTER SMUTOFF VALVE SMITCH CLAMP SEAL OUTLET NOTZLE TE POSITION SWITCH	41942 51731 51714 41947 41946 41946 41948	RCDAAAC RCDAAAD RCDAAAE RCDAAAE RCDAAAE RCDAAAA RCDAAAA			A 3 1 4 4
ORIGHT LE CENTER WING SYSTEM W/F BLC BELLOWS INMER OUTBOARD C-AMBER GENTER CHAMBER INMER CHAMBER CHAMBER CLAMP COUPBLING FLEXIBLE SEAL	41921 41922 41923 41924 41929 41920 41927 41920	RCDAAAJ RCDAAC RCDAACA RCDAACC RCDAACC RCDAACF RCDAACF RCDAACF RCDAACA RCDAACA RCDAACA	RCDAD	RCTAA	090000860 A A A A A
LE INDICATOR LE TRANSHITTER PRIGHT LE OUTER WING SYSTEM BELLOWS ASBY DUCT LE CUTOPF VALVE CLAMP COUPLING FLEXIBLE BEAL SMITOPF VALVE BUITCH	52711 51712 41931 41932 41933 41934 41935 41936 41937	RCDAACK RCDAAGK RCDAAGA RCDAAGA RCDAAGA RCDAAGA RCDAAGA RCDAAGA RCDAAGA RCDAAGA RCDAAGA	RCDAC	RCDAA	1 1 200000880
SHUTOFF VALVE LIVE ORIGHT TE GENTER AIR INITIATE ORIGHT LE CENTER AIR INITIAT OLEFT BOUNDARY LAVER AIR	41936	RCDAABH RCDAB RCDAC PCDAD LCDAA LCDAA LCDAA LCDAA	RCDBSD F RCDBSA F RCDBSC S LCDAAB LCDAAC BAG	HCDAAC HCDAAB	44444444 4444444 4444444 4444444 444444
*LEFT TE BOUNCARY LAVER SYS DUCT SHUTOFF VALVE TE INDICATOR	41542	LCDAAA LCDAAAA LCDAAAR LCDAAAC	LCDAR L	.CDAA	0#0000ae0

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TITLE	VUC	ALPHA	IMPUT FUNC	FC FN W 123494789
TE TRANSMITTER SMUTOFF VALVE SWITCH	51714 41 5 47	LCDAAAD		1
CLAMP	41544	LCDAAAF		4
OUTLET WOTTLE TE POSITION SWITCH	41344	LCDAAAH		A
PLEFT LE CENTER WING SYSTEM	41546	LCDAAAJ LCDAAC	LCDAD LCG44	040006680
IMMER OUTBOARD CHAMBER	41921	LCDAACA		A
CENTER CHAMBER INNER CHAMBER	41523	LCDAACC		A
OUTBOARD CHAMBER CLAMP	41525	LCDAACE		Å
COUPLING FLEX SEAL	41527	LCDAACE LCDAACH		A
LE INDICATOR	92711 91712	LCDAACJ		1
PLEFT LE OUTER WING SYSTEM		LCDAACH	LCDAC LCDAA	2*0000680
BELLOWE ASSY DUCT	41931 41932	LCDA4BA LCDA4BA		4
LE CUTOFF VALVE	41933	LCDAABC LCDAABC		A A
COUPLING FLEXIBLE SEAL	41935	LCDA18F		Ä
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ABABADELL PEREN ABUNTAR		CDAE	MCDAA H	*****
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MALFUNCTION LIGHT LIMIT SWITCH	41 55 1 41 55 2	CDAEL		<u> </u>
OFLAP CONTROL SYSTEM	14900	CD8	CDU4 CD CDAŁ	070000770
*CONTROL SURFACES		CDBA	CDBB CDB	*****
LE LEFT OUTBOARD FLAP	14930	CDSA LCDSAA	COME COM	*****
LE RIGHT OUTBOARD FLAP	14530	RCD844	RCDBBA CDBA	****
LE CENTER LEFT FLAP	14520	RCDBAB LCDBAB	RCDBE LCDBB CDBA	4444444
LE CENTER RIGHT FLAP	14520	RCDBAB	LCDBF RCDBBB CDBA	4444444
LE INBOARD LEFT FLAP	14510	PCDBAB LCDBAC	RCDBE LCDBRC CDBA	4444444
			7E P	CD AL SENSITIVITY
TITLE	⊌ ∪C	ALPHA	IMPUT FUNC	CD AL SENSITIVITY FC FN W 123496749
TITLE LE INGO, NO RIGHT FLAP	VUC 14910	ALPHA LCDBAC RCDBAC		CD AL SENSITIVITY FC FN W 123456749
		LCDBAC	INPUT FUNC LCTMF RCDMRC CD84 RCDMF	FC Fh w 123456749
LE INSOLAD RIGHT FLAP	14910	ECDBAC RCDBAC RCDBAC	INPUT FUNC LCTHE RCDBAC CDBA RCDBAC LCDBAD CDBA LCDHF	AAAAAAAA AAAAAAAA
LE INGO, RD RIGHT FLAP TE LEFT FLAP TE RIGHT FLAP OHYDRAULIC ACTUATION OF FLAP	14910 14940 14940	ECDBAC RCDBAC RCDBAC ECDBAD ECDBAD RCDBAD RCDBAD	INPUT FUNC LCTUF REDBRC CD84 RCD8F LCD98D CD84 LCD9F RCD8BD CD84 RCD8E	AAAAAAAA AAAAAAAA AAAAAAAA
LE INGO, RO RIGHT FLAP	14910 14940 14940	LCDBAC RCDBAC RCDBAC LCDBAD RCDBAD RCDBAD RCDBAD RCDBAD CDBB LCDBBA	INPUT FUNC LCTOF RECORD CORA LCTOF LCTOF RECORD CORA LCTOF RECORD CORA RCDUE CORA LCTOR CORA LCTOR CORA LCTOR CORA	######################################
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LE INSO, RD RIGHT FLAP TE LEFT FLAP TE RIGHT FLAP ***********************************	14910 14940 14940	LCDBAC RCDBAC RCDBAC LCDBAD RCDBAD RCDBAD RCDBAD LCDBBA LCDBBA LCDBBAA LCDBBAA LCDBBAA LCDBBAA LCDBBAA LCDBBAA	INPUT FUNC LCTHF RCDHG CD64 RCDHG CD64 LCDHG CD64 LCDHG CD64 CD6C CD64 LCDHG CD64 CD6C CD6C CD64 CD6C CD64 CD6C CD6C CD6C CD64 CD6C CD6C CD6C CD64 CD6C CD6C CD6C CD6C CD6C CD6C CD6C CD6C	######################################
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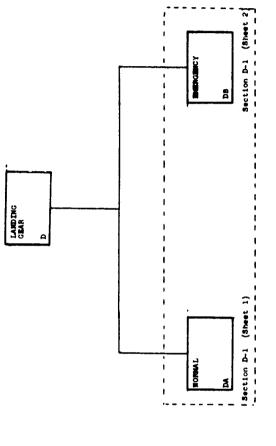
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17 20 SPEED BRAKE BELECTOR VALVE	114621	CZC CEC4	KEA			A
21 HYDRAULIC CHECK VALVE *NORMAL EXTEND	714620	CEC	CEG	CEC		*
24 SPEED BRAKE CONTROL SWITCH	914627	CEDA	060			1
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02 MOTIONAL PICKUP TRANSDUCER 03 ENGAGING CONTROLLER	A57112	CFA CFB				Å
04 PITCH MATE GYRG	A5711A	CPC				A A
06 YAW RATE GYRO	457115	CPE				A
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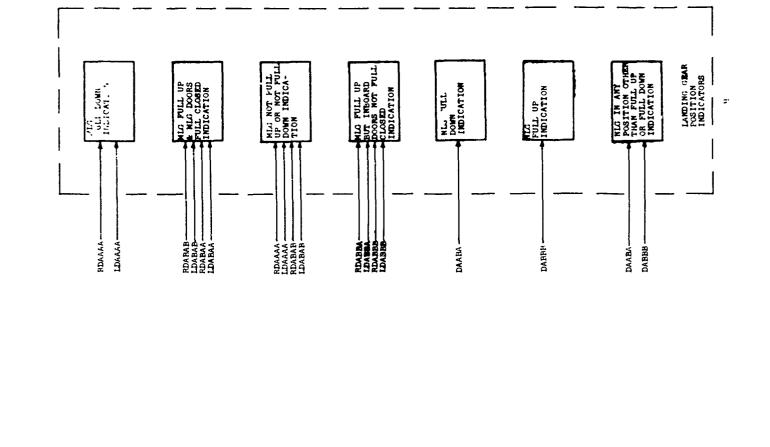
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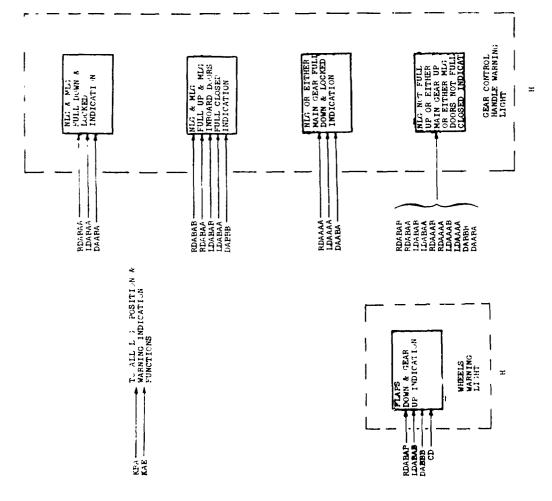
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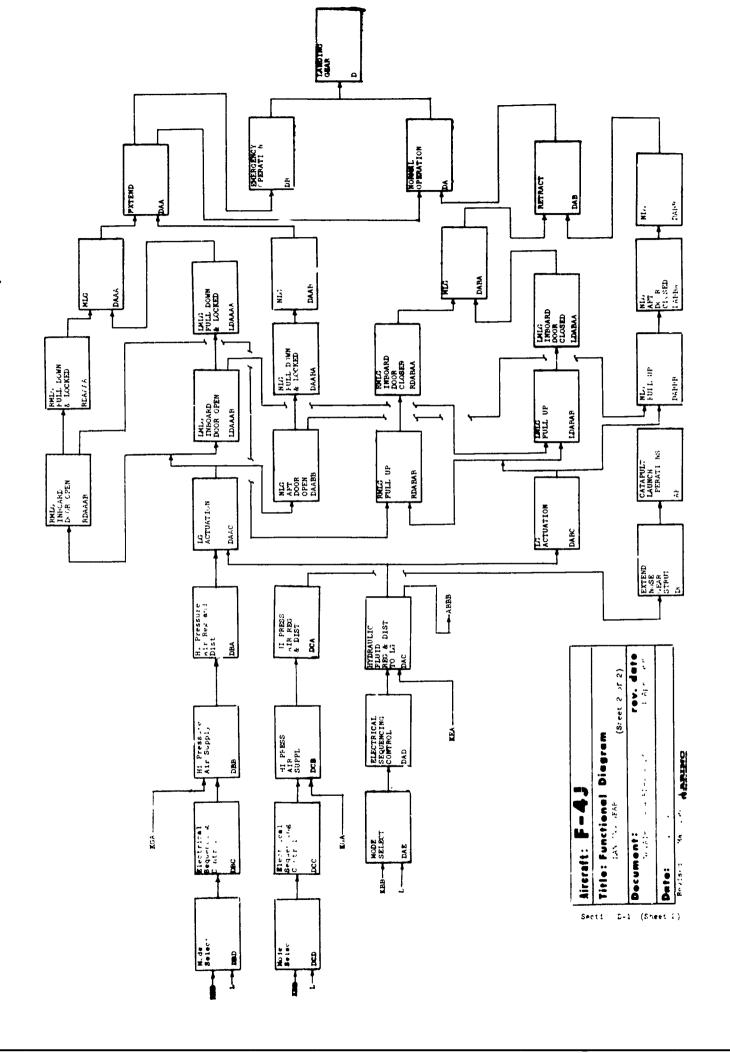
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13 RMLG UPLK + 1480 DR SHT VL	4613314				•	
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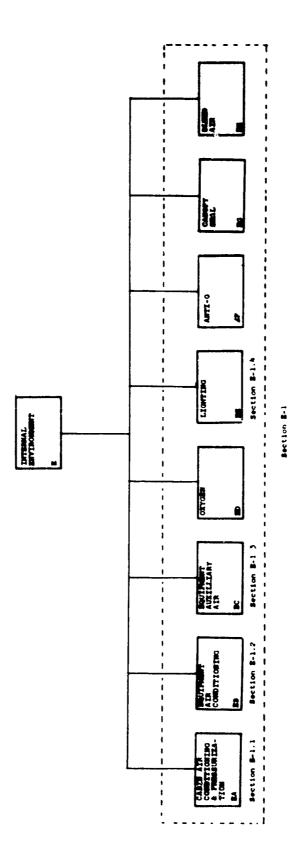
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66 LMLG DONG CLOSE LIMIT SW R13141 SEXTEND GOSE LANDING GEAR R	LDAAAbF ÇAAR	DAARA	FÜNC	Ch aL SENCITIVITY E' EN W 1234567AV 1 255555555
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AB LMLG DONH CLOSE LIMIT SW R13141 EXTEND HOSE LANDING GEAR R ENLG FULL DOWN AND LOCKED R 70 NLG DOWN LIMIT SHITCH R13143 71 NLG WHEFL AND TIHE ASSY R13331 72 NLG UPLOCK SEQUENCE VALVE R13312	LDAAAbF DAARA DAARA DAARA DAARA& DAARA& DAARAC DAARAC	DAARA	PUNC PAA PAAB	1 35555555 A4AAAAAA AAAAAAAA
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AB LMLG DON'N CLOSE LIMIT SW RI3141 **EXTEND NOSE LANDING GEAR R **NLG FULL DOWN AND LOCKED R 70 NLG DOWN LIMIT SITCH RI3143 71 NLG WHEFL AND TIHE ASSY RI3331 72 NLG UPLOCK SEQUE ICE VALVE RI3312 73 NLG SHOCK STRIT 74 NLG ORAG BRACE ACTUATOR RI3317 74 NLG ORAG BRACE ACTUATOR RI3319 NLG WHIK ACT ONWY RESTRICTARIJSON NLG WHIK ACT ONWY RESTRICTARIJSON NLG AFT JOOR OPF. 8 NLG AFT JOOR OPF. 8 NLG AFT JOOR RI3324 83 NLG UPLOCK RECHAILSM RI3324 84 NLG UPLK AST O. SMT VLV RI3324 85 NLG AFT JOOR 8 NLG AFT JOOR 9 NLG	LDAAABA DAAR	DAARA DAARB	TARNS	1 355555555 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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B4 RMLE THROUGH DOOR	113535				A
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C1 RMLG SHOCK STRUT	913211	PDABABA	DABC	•	*****
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CP AMEG DOWN LIMIT CHIPPH	411145	POABANC			•
C4 RMLG UPLK ONEWAY RESTRICTOR	1013214	RDABAND			1 5
CS HILL SIDERRACE ACTUATOR	#1321D	RUABARE			7
CO AMLE SEQUENCE VALVE ASSY	813615	RDABABF			•
CT RMLG UPLK . INON DR SHT VLY	/R13214	ROABABC			:
CS RMLG UPLOCK MFCHAISM	013217				ī
CO RMLG SIDEARC ACT DOWN RESTR	M1357+	PDABABJ			5
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F4 LMLG DOWN LIMIT SWITCH	11143	1040400			3
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61 LMLG DRAG BEAM PADS	132.	LDABABH			;
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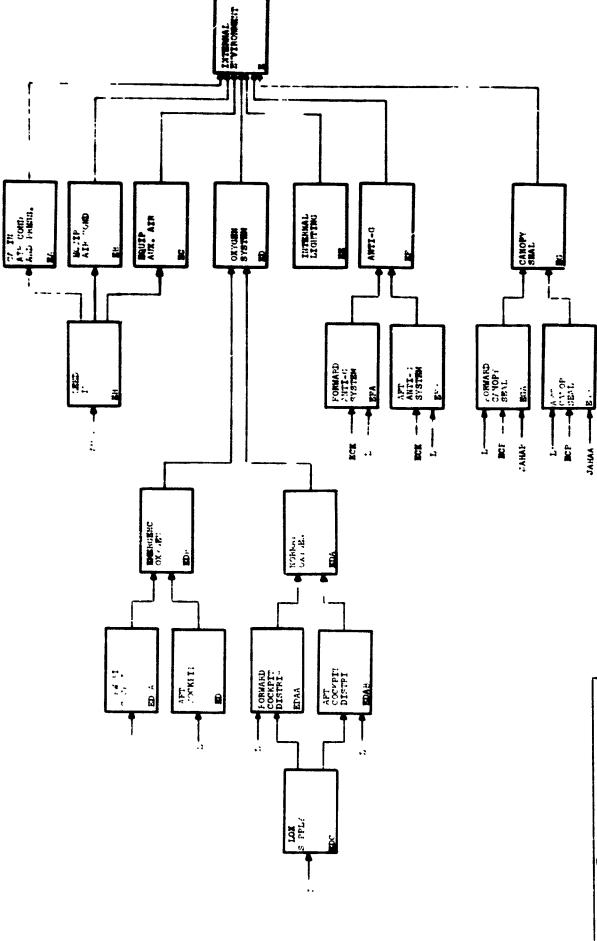
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CZ LMLG OUTBOARD DOOR						
G3 LMLG STRUT DOOR	913532	LUADABA				5
G4 LMLG SCISSORS SWITCH	A13834	LDABABP				5
GS LANDING GEAR DUMP VALVE	813145	LUABABA				1
GO OUTBOARD DOOR DRIVE LINK	A13155	LDABABR				1
GT-RETRACT NOSE LANDING GEAR	R13237	LDABABS				A
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HO NEG UPLOCK ACTUATOR	.,	DABBA		н		*****
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HE NEG UPLK + AFT DH SHT VALVE	713367	UABBAR				A
M3 NLG AFT DOOR	913324	DABBAC				A
HA NEG FOWARD DOOR	913324	DABBAD				•
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JO NEG WHEEL . TIRE ASSEMBLY	A13143	DAABAA				1
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JE NLG SHOCK STRUT	B13312	DAABAD				A
J3 NLG DRAG BRACE ACTUATOR	613313	DAARAF				A
J4 NLG UPLOCK ACTUATOR	01331P	DAARAF				A
JS NLG UPLK + AFT DH SHT VALVE	B13321	DAAMAG				A
PLANDING GEAR ACTUATION	B 23380	DAARAH				A
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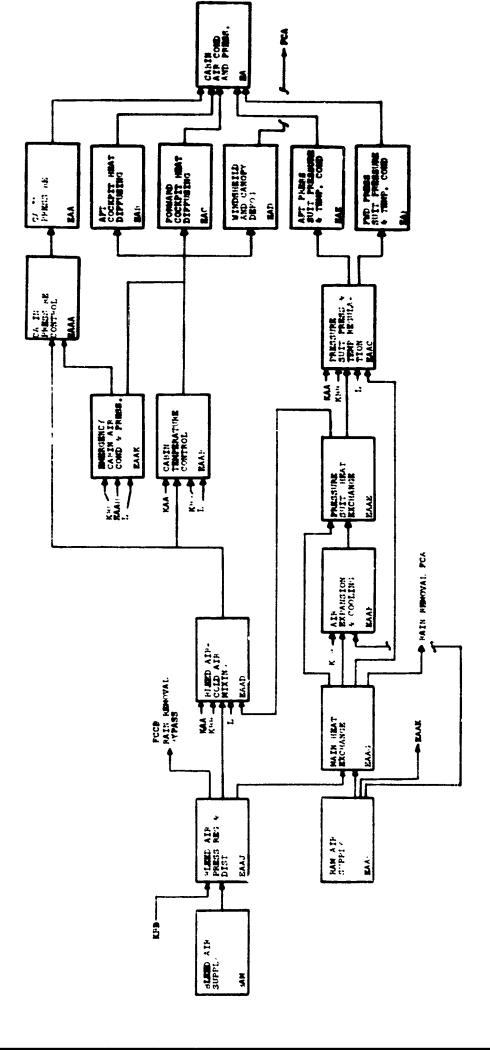
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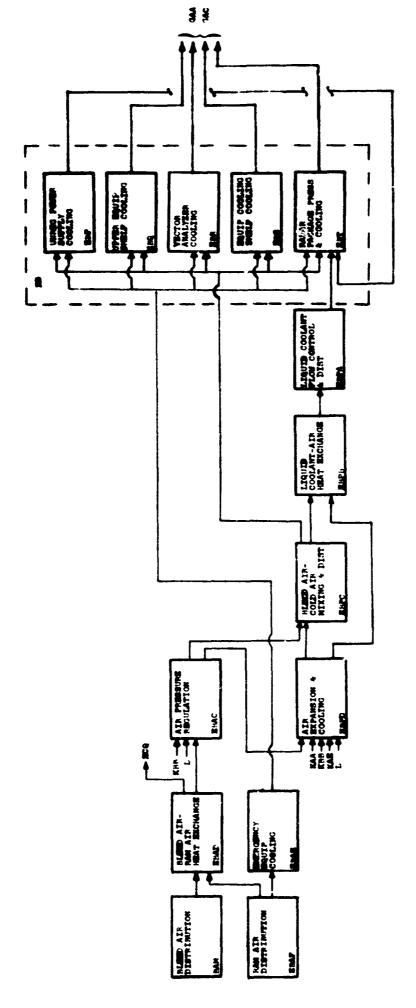
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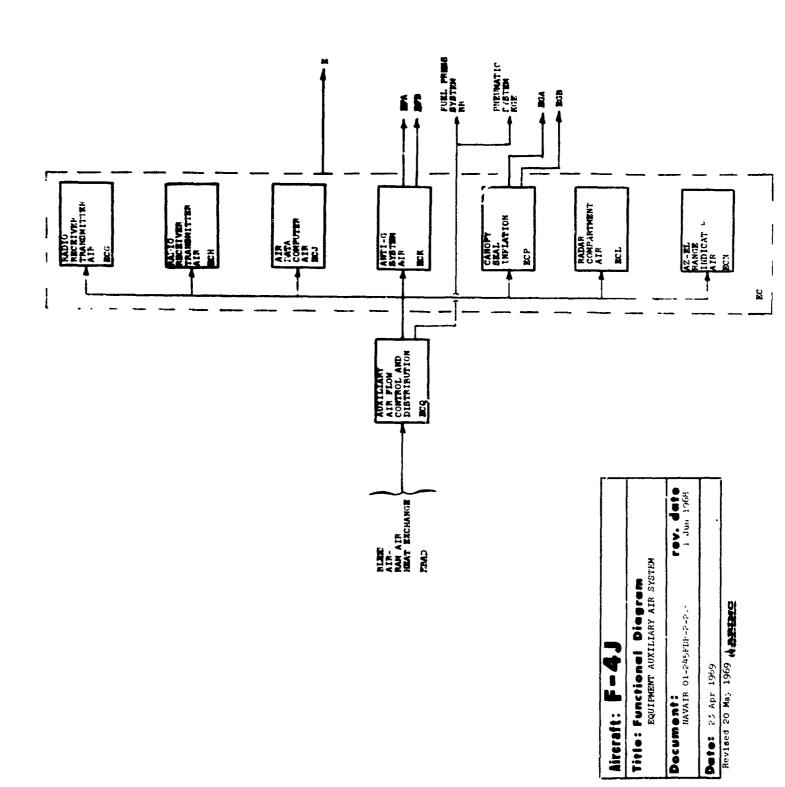
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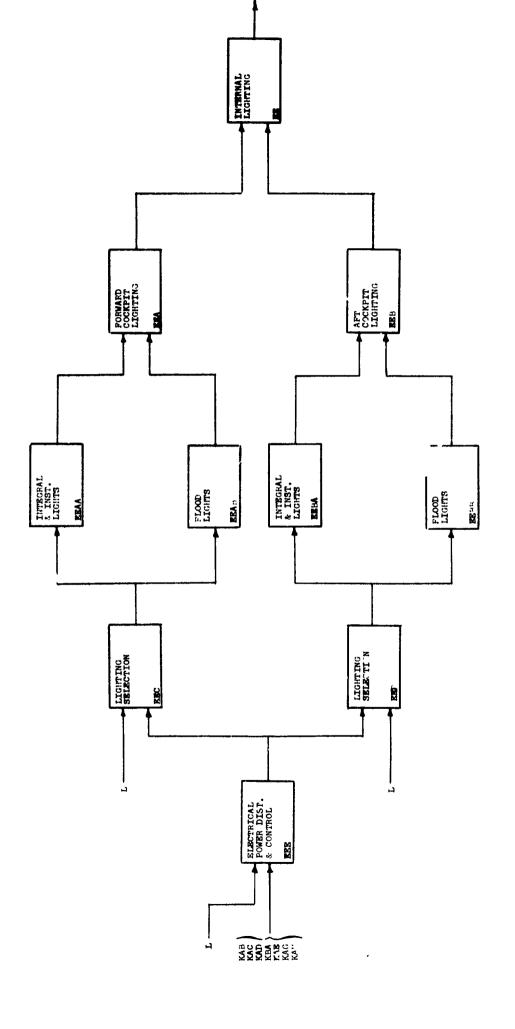
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Section E-1.3



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Section E-1.4

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02	D	ĒĀ	EAU		***************************************
03	Ď	ĒĀ	EAC		
04	Ď	ĒĀ	EAD		
05	Ď	ĔĀ	EAE		
06	D	ĒA	EAF		
CABIN PRESSURIZATION	D	ĒAA	ĒAAA	EA	****
+CABIN PRESSURE CONVP.	D	EAAA	EAAD	EAA	****
0.	0	EAAA	EAAK		
18 PHEUMATIC DUMP VALVE	041211	EAAAA			4
11 FWG CKPT CABIN PRESS IND	051118	EAAAU			2
				DEP	CO AL SENSITIVITY

TITLE VUC	:	ALPHA	INPUT	DEP FUNC	CD AL SENSITIVITY FC FN W 123456789
12 SCREEN D41	21•	EAAAC			A
13 CABIN PRESSURE REGULATOR DAIL	216	EAAAD			Ã
14 CHECK VALVE D41		EAAAE			A
15 TRUE ATMOSPHEREIC PRES HOSED41		EAAAF			Å
16 CABIH PRESS SAFETY VALVE D41		EAAAG			A
17 AFT CKPT CABIN PHESS IND DOS		EAAAH			2
18 BLD AR PRES REG - SHTOF VLVD41		EAAAJ			A
19 STATIC PRESSURE LINE D41: 20 Cabin air inlet valve D41:		EAAAK			A
PRIMED AIR INLET VALVE D41:	111	EAAAL Eaad			A
C State Minorator Min withing C		CAAD	EAAJ	EAAA	*****
24 ő		EAAD	KAA	EALB	*****
24 0		EAAD	KBB		
24 0		EAAD	Ĺ		
25 TEMPERATURE CONTROL PANEL D41	11J	EAADA	•		
26 CABIN MANUAL TEMP LIMITER D41		EAADB			Ā
27 CABIN DUAL TEMP MIXING VALVO41	125	EAADC			Ā
28 NO 2 CKT BREAKER PANEL D42:	152	EAADE			Ā
+BLD AIR PRESS REG + DISTRIBD		EAAJ	BAH	EAAD	*****
0		EAAJ	KBB	EAAG	
		EAAJ		FCCB	****
31 BLO AR PRES REG + SHTOF VLVD41	1.ZF	EAAJA			A
32 REGULATED PRESS SENSING LINED41		EAAJB			<u> </u>
33 AIR DISTRIBUTION DUCT D41: 34 TOLERANCE COMPENSATOR D41:		EAAJC			
OAFT CKPT HEAT DIFFUSING D	71*	EAAJD Ea b	EAAB	EA	
34		EAB	EAAK	EA	111111111
37 FOOT HEAT AND DEFOG VALVE D41:	11.	ĒĀĐA			A
38 FOOT HEAT-DEFOG CONTROL LYRD41	112	EADS			Ā
37 AFT CKPT FOOT HEAT DIFFUSERD41		EABC			Ā
40 CABIN AIR INLET VALVE D41:	11F	EAAAL			A
OFWO CKPT HEAT DIFFUSING D		EAC	EAAB	EA	11111111
42 0		EAC	EAAK		
43 FOOT HEAT AND DEFOG VALVE D41	11.	EABA			A
44 FOOT HEAT-DEFOG CONTROL LYRD45 45 FVD CKPT FOOT HEAT DIFFUSERD41		EACR			<u> </u>
46 CABIN AIR INLET VALVE 041:		E A G C E A A A L			•
-WINDSHIELD + CANOPY DEFOG D	***	EAD	EAAB	FCA	* ********
48 0		EAD	EAAK	- 0.4	55555555
49 WINDSHIELD CHT PHL DEFG HOZD411	118	EADA			4
50 WINDSHELLD BOE PAL DEG OUCTD41	11.	EADB			ī
51 FOOT HEAT-DEFOG VALVE D41	11.	EABA			Ā
52 FOOT HEAT-DEFOG CONTROL LUND41		EABS			Ä
53 WHOSHED + CANOPY DEFOG DUCTD41:		EADC			A
54 WINDSHEILD DEFOG MANIFOLD D41		EADO			A
55 CABIN AIR INLET VALVE D41	11F	EAAAL			A
56-AFT PRES SUT PRES/TEMP CONDD		EAE	EAAC	ΕA	003555300
57 AFT PRESSURE SUIT 096	112	EACA			A

TITLE	V UC	ALPHA	1MPU	DEP T FUNC	CD AL SENGITIVITY FC FN W 123494789
SE RIS COMPOSITE DISCOMECT	041116	EAED			A
SO APT PRESS SUT AREL SHIPP OF STATES SUIT PRESS/TEMP RES	; D	EARC	EAAE	FAE	4
•3 •4	0	EAAC	KAA Eare	EVb	****
48	C D	EAAC	KBB L		
66 PRESS MANUAL TEMP LIMITER 67 PRESS SUIT TEMP LIMITER 68 PRESS SUIT TEMP BENSOR 69 PRESS SUIT PRESS RESULATO 78 PRESS SUIT PRESS RESULATO	D4111H D4111C	EAACA			A
SO PRESS SUIT PRESS RESULATO	P 041126	EAACO			A A
73 CHECK VALVE	041120	EAACE EAACE			.
73 FMD CKPT BUIT VENT AIR SE 74 APT CKPT BUIT VENT AIR BE	041120 LTD41120 LTD41120	EAACH HOAAB Loaab			4
74 FWD PRESSURE CO	MOU	EAFA	EAAC	EA	003555300
77 PILOT COMPOSITE DISCONNEC 78 FWD PRES SIT AREL SHYDE V	T D4111U	EAFB EAFC			4
CABIN TEMPERATURE CONTROL	D	EAAB	EAAD	EAD	*******
82 43 2500504.0.05 000000 0 0	D D	EAAB	KB8 L	EAD	*****
83 TEMPERATURE CONTROL PANEL 84 AUTO-MANUAL CONTROL SWITC		EAABA	_		A
85 TEMPERATURE CONTROL KHOS 86 MASMETIC AMPLIFIER 87 CABIN TEMPERATURE SENSOR	04111• 041113	EAABC			*
SE CABIN MANUAL TEMP SENSOR SP TEMP CONTROL RMEDSTAT	041115 04111R	EAABE			A A
90 NO 2 CKT BREAKER PANEL SEMERG CABIN AIR COMD + PR	041118 042152	EAABG			_
	0	EAAK Eaak	KBB	EAB	K EAAJ DOGAAAGOU
93 EMERGENCY VENT CONTROL	D 041213	FARK	EAAH	FAD	K EAAJ OGGAAGOO
94 DUCTING 95-PRESSURE SUIT HEAT EXCHANGE	D41117	EVAR	EAAG	EAAD	4
97 PRESS SUIT HEAT EXCHANGER	D D4112C	EAAEA	ELAF	EAAC	003555300 003553300
TAIR EXPANSION AND COOLING	D	E AAF E AAF	EAAH Eaag	EAAE	002555300
40 TURBINE OVERSPEED SWITCH	D 041123	EAAFA	KHB		A
A1 CABIN MIXING VALVE A2 CABIN TURBINE OVERSPEED IN A3 COOLING TURBINE	041125 +DD4112+ D4112B	EAAFB EAAFC EAAFD			Å
TITLE		i lphá	INPUT	NEP FUNC	CO AL SENSITIVITY FC FN W 123496789
MAIN HEAT EXCHANGE	D D D	EAAG EAAG	EAAJ	EAAC EAAC EAAF	***********************
AS CABIN AIR OUTLET DUCT AT RAM AIR SCOOP	041128 04111P	EAAGA Eaaga Eaagb		FÇA	******
AB CABIN HEAT EXCHANGER AP HEAT EXCHANGER DHAIN VALVE	04112D	EAAGC EAAGD			Å
B1 GROUND COGLING SHUTGER VEV	D4111K	EAAGE EAAGF			A A
B2 RUPTURE DISC B3 RAM AIR SCOOP	D4112E D4111P	LAAGG Eaagh			Ā
B4 RAM AIR DIFFUSER B5 LANDING GEAR HANDLE SWITCH B6 LANDING GEAR AUX RELAY		DADS			Ä
PRAM AIR SUPPLY	D1311+ D	DADC		EAAG	*
*EQUIPMENT AIRCONDITIONING	Ď E	EAAH Eaah Eb	ESP	EAAF	
01 01	£	EB		E	EBAE 35353555
	Ł	EB	EBQ Sau		
01	E E	EB EB EB	ERS		
01 AIR PRESSURE REGULATION	E E E	EB	EOR	EBPO EBPC	
AIR PRESSURE REGULATION 55 66 OVER RESSURE RELIEF VLV	E E E E E4113•	EB EBAC EBAC EBAC EBAC EBACA	EOR EOS EOT Goad		**************************************
AIR PRESSURE REGULATION 45 46 OVERTRESSURE RELIEF VLV 47 RAH AIR CHECK VALVE 48 RAM AIR SHUTOPF VALVE	E E E E E4113• E41144 E41145	EB EBAC EBAC EBAC EBACA EBACA EBACB	EBR EBS EBT GBAD KBB		AAAAAAA A A
AIR PRESSURE REGULATION 45 46 OVERTRESSURE RELIEF VLV 47 RAM AIR CHECK VALVE 48 RAM AIR SHUTOPF VALVE 69 REGULATOR SFRSING LINE 70 PRESS REG & SHOOF VLV 201	E E E E4113• E41144 E41145 E4114• F41133	EB EBAC EBAC EBACA EBACB EBACC EBACC EBACC EBACC EBACC	EOR ERS EST GOAD KBB L	EBPC	AAAAAAAA A A A
AIR PRESSURE REGULATION 45 46 OVERTRESSURE RELIEF VLV 47 RAH AIR GHECK VALVE 48 REGULATOR SFRSING LINE 70 PRESS REG + SHTOF VLV 30L +BLEED AIR-RAH AIR HEAT EXCH 72 HEAT FXCHANGER	E E E E E E E E E E E E E E E E E E E	EB LB EBAC EBAC EBACA EBACA EBACA EBACD EBACD EBACD EBACD EBACE EBAD	EBR EBS EBT GBAD KBB		AAAAAAAA A A A AAAAAAAA AAAAAAAA
AIR PRESSURE REGULATION 45 46 OVERTRESSURE RELIEF VLV 47 RAM AIR CHECK VALVE 48 RAM AIR SHUTOPF VALVE 69 REGULATOR SFINSING LINE 70 PRESS REG + SHYOF VLV 20L BLEED AIR-RAM AIR HEAT EXCH 72 MEAT EXCHANGER MOUNT BRACKT 74 BLEED AIR INLET DUCT	E F E E E E E E E E E E E E E E E E E E	EB EBAC EBAC EBAC EBACA EBACA EBACB EBACB EBACB EBACC EBACO EBACO EBACO EBACO EBACO EBACO EBACO EBACO	ERR ERS EST EBAD KBB L	EBPC EBAC	AAAAAAAA A A AAAAAAAA AAAAAAAA
AIR PRESSURE REGULATION 55 66 OVER-RESSURE RELIEF VLV 67 RAM AIR CHECK VALVE 68 RAM AIR SHUTOFF VALVE 69 REGULATOR SFRSING LINE 70 PRESS REG • SHTOF VLV 30L •BLEED AIR-RAM AIR MEAT EXCH 72 MEAT EXCHANGER 73 MEAT EXCHANGER	E E E E E E E E E E E E E E E E E E E	EB EBAC EBAC EBACA EBACA EBACA EBACC EBACD EBACC EBACD EBACC EBAC EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBADA EBAC EBACC E	ERR ERS EST EBAD KBB L	EBPC EBAC	AAAAAAAA A A AAAAAAAA AAAAAAAA A
AIR PRESSURE REGULATION 45 46 OVER-RESSURE RELIEF VLV 47 RAM AIR CHECK VALVE 48 RAM AIR SHUTOFF VALVE 48 RAM AIR SHUTOFF VALVE 49 REGULATOR SFMSING LINE 70 PRESS REG + SWTOF VLV 30L +BLEED AIR-RAM AIR MEAT EXCH 72 HEAT EXCHANGER MOUNT BRACKT 73 HEAT EXCHANGER MOUNT BRACKT 74 BLEED AIR INLET DUCT 75 BLEED AIR OUTLET DUCT +UNREG POWER SUPPLY COOLING +BLD AIR-COLD AIR MIX + DIST	E E E E E E E E E E E E E E E E E E E	EB EBAC EBAC EBACA EBACA EBACC	ERST DE KBB L EBAM	EBAC ECQ	AAAAAAAA A AAAAAAAA A AAAAAAAA
AIR PRESSURE REGULATION 45 46 OVERTRESSURE RELIEF VLV 47 RAM AIR GHECK VALVE 48 RAM AIR SHITOPF VALVE 49 REGULATOR STANSING LINE 70 PRESS REG + SHYOF VLV 30L +BLEED AIR-RAM AIR MEAT EXCH 72 MEAT EXCHANGER MOUNT ARACKT 73 MEAT EXCHANGER MOUNT ARACKT 75 BLEED AIR INLET DUCT +UNREG POWER SUPPLY COOLING +BLD AIR-COLD AIR MIX + DIST	E E E E E E E E E E E E E E E E E E E	EBAC EBAC EBAC EBACA EBA	EBR EBST RBB BAF BAM EBBAF EBAE	EBAC ECQ EBT EBPB EBP EBP	AAAAAAAA A A AAAAAAAA AAAAAAAA A
AIR PRESSURE REGULATION 45 46 OVERTRESSURE RELIEF VLV 47 RAM AIR CHECK VALVE 68 RAM AIR SHUTOPF VALVE 69 REGULATOR STMSING LINE 70 PRESS REG + SHYOF VLV 20L +BLEED AIR-RAM AIR HEAT EXCH 72 HEAT EXCHANGER MOUNT BRACKT 73 HEAT EXCHANGER MOUNT BRACKT 75 BLEED AIR INLET DUCT +UNREG POWER SUMPLY COOLING +BLD AIR-COLD AIR MIX + DIST	E E E E E E E E E E E E E E E E E E E	EBAC EBAC EBAC EBACA EBA	EOR EOST GBAD KBB L EBAF EBAF EBAF EBAF	EBAC ECQ EBT EBP EBP EBP EBC EBS	AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAA
AIR PRESSURE REGULATION 45 46 OVERNRESSURE RELIEF VLV 47 RAH AIR CHECK VALVE 48 RAM AIR SHUTOFF VALVE 68 RAM AIR SHUTOFF VALVE 69 REGULATOR SFINSING LINE 70 PRESS REG + SHYOF VLV 30L +BLEED AIR-RAM AIR HEAT EXCH 72 MEAT EXCHANGER MOUNT RRACKY 73 HEAT EXCHANGER MOUNT RRACKY 74 BLEED AIR OUTLET DUCT 75 BLEED AIR OUTLET DUCT +UNREG POWER SUPPLY COOLING +BLD AIR-COLD AIR MIX + DIST	E F E E E E E E E E E E E E E E E E E E	EB EBAC EBAC EBACA	EOR EOST GBAD KBB L EBAF EBAF EBAF EBAF	EBAC ECQ EBT EBPB EBP EBP EBP	AAAAAAAA AAAAAAAA AAAAAAAAA AAAAAAAAA AAAA

TITLE	₩υ č			DEP	CO AL SEMBITIVITY
	-00	ALPHA	INPUT	PUNC	FC FN W 123454749
D7 TEMPERATURE CONTHOL 488Y	E41132	£8PC0			A
DE RESET SUITCH	E41140	ERPCE			Ā
09 ALTITUDE PRESSURE SWITCH	E41137				Ā
18 FWO COCKPIT CAUTION LIGHT	E4114.	EDPCG			2
11 AFT COCKPIT CAUTION LIGHT	E4114.	EBPCH			2
13 PRESS REG AND SHIOPE YEV	E41134	EBPCJ			A
SAIR EXPANSION AND COOLING	E41144	EBPCK			A
and er milital and cooping	E.	ECPO	EBAC	FBPC	*****
14	Ę	ECP0	KAA	F 8º b	*****
14	ŧ	EBPO	KRB		
14	É	EMPO	KAE		
19 TURBINE ASSEMBLY	Č41140	ESPDA	N. C.		A
16 TURBINE MOUNTING BRACKETS	È41140	ERPDE			ī
17 TURBINE BYPARE VALVE	E41148	EBPOC			Ā
16 TURBINE INLET DUCT	E41141	EMPRO			Ā
19 GRND COOL EJECTOR SHITOF VL	YE41147	EBPDE			Ā
20 TEMPERATURE CONTROL ASSY	E41132	EBPCD			Ā
21 LANDING GEAR HANDLE SHITCH		DADA			A
22 LANDING GEAR AUX RELAY	E1311+	DADC			A
23 RMLG SCISSORS SWITCH 24 NOSE GEAR LINIT SWITCH	E13145	DAAAAG			A
OUPPER EQUIP SHELF COOLING	E13144	DAABAR			A
ANNER EMOTE SHELL COOLING	E E	E90	EBPC	GAA	012333210
OVECTOR ANALYZER COOLING	Ē	E 94	EDAE	ÇAC	012333210
ACO. O. THER SEN CONCLUD	Ē	EBR EBR	ERPC Erae	GAC	012333210
*EQUIP COOLING SHELF COOLIN	CF.	EM	ENAC	GAA	012333210
	F	i ii	EBAE	GAC	012333210
PRADE PKG PRESS AND COOLING	È	EBT	ERP	GAA	01 23332 10 01 23332 10
	Ē	EST	ERPA	GAC	012333210
	Ē	ERT	EBPC		012333210
30-LIG COOLNT FLW CONTL + DIS	TE	EBPA	ERPA	EST	*****
31 RADAR COOLANT PUMP	F41711	EDPAA			A
32 AUXILIARY RESERVOIR	E41713	EBPAB			À
33 OVED EXPAN RELIEF VALVE	E41710	EBPAC			A
35 PRESSURE CAGE	E41200	ESPAD			A
36 ACCUMULATOR	E41200	EBPAE 06			1
37 LIQUID COOLANT DIST DUCTS	E41200	EBPAF 06 ERPAG	,		A
38 PRESS RELIEF VALVE	E41200	EBPAH			•
39 SOLENOID VALVE	E-1200	EBPAJ			•
40 FILTER	E41200	ERPAK			A
41 RESERVIOR	E41200	ERPAL			A A
42 TEMPERATURE GAGE	E41200	EBPAN			ī
44 PRESSURE REGULATOR	E41221	EBPAN			Ä
45 NO 1 MISC RELAY PANEL	E42111	EBPAP			Ā
46 RADAR COOLANT PUMP CHECK S		ERPAG			Ä
47 HEAT EXCHANGER RELAY	E4171•	EBPAR			A

TITLE	WUC	ALPHA	INPUT	DEP FUNC		SENSITIVITY W 123456789
48 TEMPERATURE CONTROL ASSY	E41135	EBPCO				A
-LIG COOLANT/AIR HEAT EXCH	Ē	EBPB	EBPO	EBPA		****
52 COOLANT/AIR HEAT EXCHANGER	E # 1712	E&PB EBPRA	ERFC			
53 AUX COO'ANT/AIR HEAT EXCHG	RE4171.	EBPOR				•
54 TEMPERATURE CONTROL ASSY	E41135	EBPCO				2
55 BLEED VALVE	E41710	ERPCE				ī
56 TEMPERATURE GAGE	E41710	ERPCF				ī
57 HEAT EXCHANGER RELAY	E4171+	ERPCG				Ā
SE SOLENOID •EQUIP EMERGENCY COOLING	E4171+	EBPCH			_	A
SENDIN EMENDENCY COOFING	ŧ	EOVE	EBAF	ESP	× E8	*****
	É	EBAE		EBO		*****
	F	ERAE		FBR FBS		****
	É	EBAE		FBT		
41 RAM AIR SHUTOFF VALVE	F41145	EBAEA				*
42 DUCTING	E4114+	ERAEH				Ā
OD-EQUIPHENT AUXILIARY AIR	F	£C .	ECH	E		22222222
00	۶	£C.	ECG			
00	F	£Ç	EC+			
00	F	FC	FĆJ			
00 00	F	FC	ECL			
		EC EC	ECN			
PRADIO HOVE-TRANSMITTER AIR	ŕ	ĒČG	ECK ECU	EC		
02 CHEMICAL DRIER	F41154	ECAA	ECG	EU		. ******
D3 CHECK VALVE	F41150	ECAR				:
04 ABSOLUTE PRESS RELIEF VALVE	EF41153	ECAC				Ä
05 ABSOLUTE PRESS REGILATOR	F41152	ECAD				Ä
06 TWO-WAY RESTRICTOR	F4115•	ECAE				A
O7 FILTER	F4115+	ECAF				A
#RADIO ROVE-TRANSHITTER AIR OF CHEMICAL DRIER		ECH	ECJ	FC		****
10 CHECK VALVE	F41154	E CAA E CAB				
11 ABSOLUTE PRESS RELIEF VALVE	F41183	EGAC				•
12 ABSOLUTE PRESS REGULATOR	F41152	ECAD				
13 TWO-WAY RESTRICTOR	F4115.	ECAE				7
11 FILTER	F41154	ECAP				Ā
MAIR DATA COMPUTER AIR	F	ECJ	ECu	FC		*****
	F	ECJ		CF		*****
14 FILTER	F41150	FCJA				A
17 WATER TRAP 18 TEST FITTING	F41150	ECUR				Ă.
PANTI-G SYSTEM AIR	F4115+	FCX	ECu	EC	ţ.	A
Harrie Graith dia	F	ECK	ECU	EFA	•	******
	F	FCK		EFB		4444444
*RADAR COMPARTMENT AIR	F	iči	ECJ	FC		4444444
21 DEHYDRATOR DESICCANT	F41150	ECUR		-		4

TITLE	VUC	ALPHA	INPU	nep T FUNC	CO AL SENSITIVITY
28 CHECK VALVE 23 ABBOLUTE PRESS RELIEF V. 24 ABBOLUTE PRESSURE RECUL	F4315	ECAD COAC	140	1 7000	FC PH W 123496789
36 FILTER	741154	• ECAE			A
PAPT CHPT AX-EL RAN IND A 26 CHEMCIAL ORIER 29 CHECK VALVE	F41194	ECN LCAA	ECJ	£¢.	A 4444444
30 ABBOLUTE PRESSURE REGULA	F41194 LVEF41193				Ā
33 FILTER	F41154	ECAF			*
CAMOPY SEAL IMPLATION		ECP	ECI	EC EGA	44444/444
36 FILTER 37 CHECK VALVE	F4113•	LCP ECP4		EGE	*****
AUX AIR DISTRIBUTION	F4113.	Eta	ERAD	EGP	
		ECO ECO		FCH	4444444 444444
	*	60 6		ECK ECX	*****
	•	ECO ECO		ECN	
	÷	ECO ECO		BBJ	4444444 4444444
39 DUCTING 40 FITTINGS	F41150 F41150	ECOA ECOA		≪GE	******
OZYGEN SYSTEM	6	ED ED	EDA EDW	£	00444400
04-NORMAL SYSTEM 09 04-FWD COCKPIT DISTALBUTION	6	EDA EDA	EDAA	ED	003599300
07 05 LOX QUANTITY INDICATOR	6 6 651 85 1	EDA4 EDA4	EDC L	EDA	003555300
TO LOW MARNING LIGHT	647212 647213	EDAAA EDAAB EDAAC			A
13 DILUTER DEMAND RESULATOR 12 LOX FLEXIBLE HOSE	G47214 G47215	EDAAG			A
13 LOWER DISCONNECT BLOCK 14 LOWER DISCONNECT 15 LOX VALVE	647214 647217	EDAAF EDAAG			Ī
16 COMPOSITE DISCONNECT 17 LOX REPEATER AMPLIFIER	G4721A G4721C G4721E	EDAAH			Ä
18 PRIMARY AMPLIFIER 19 LOK GAGE	G4721F G51852	EDAAK Edaal Edaam			A A 1
TITLE 20 LOX PRESSURE GAGE 21 PRESSURE REDUCER	WUC 651853 64721L	ALPHA Edaan Edaap	INPUT	DEP FUNC	CD AL SENSITIVITY FC FN W 123454789
22 LOX REGULATOR 23 REGULATOR PANEL 24 INTERMEDIATE BLOCK 25 UPPER DLOCK 26 MASTER GUANTITY AMPLIFIER 27 SUPPLY PRESS INDICATOR 28-AFT COCKPIT DISTRIBUTION	G4721N G4721Q G4721R G4721S G51854 G51855 G	EDAAQ EDAAR EDAAS EDAAT EDAAU EDAAV EDAB			A A A A A
29 LOX GUANTITY INDICATOR 36 LOX VALVE 37 COMPOSITE DISCONNECT 38 LOX REPEATER AMPLIFIER 39 PRIMARY AMPLIFIER 40 LOX GREE LOX PRESSURE GAGE 42 PRESSURE REDUCER 43 LOX REGULATOR 44 REGULATOR PANEL 45 INTERNEDIATE BLOCK 46 UPPER BLOCK	G G51851 G4721A G4721C G4721F G51852 G51853 G4721L G4721N G4721N G4721R	EDABA EDABA EDABA EDABK EDABK EDABN EDABN EDABN EDABN EDABN EDABN EDABN EDABS EDABS	EDC	EDA	003559300 A A A A 1 A A A A
47 MASTER QUANTITY ANTLIFIER 48 SUPPLY PRESSURE INDICATOR	G47218 G51854	EDABT LDABU			Ä
ACTACEM SUPPLY (FOX)	G51855 G	EDABV EDC EDC	L	EDAA EDAB	* *****
31 LOX CONVERTER 32 LOX CONTAINER 33 FILL-8/U VENT VALVE 54 RELIEF VALVE 59 CHECK VALVE 59 PRESS OPEN/CLOSE VALVE 57 CAPACITANCE PROSE 58 MARNING OLE PROSE	G47111 G47112 G47113 G47114 G4711K G47116 G47117	EDGA EDGB EDGC EDGD EDGE EDGF EDGG		EVAB	**************************************
58 WARH-UP PLATE 59 LOX FILLER VALVE 40 PREAMPLIFIER	G4711B G4711F G4711H	EDCK EDCJ EDCH			A A
61 HOUNT *EMERGENCY SYSTEM 63	G4711J	EDGL EDB	E084	ED (A A K EDA OOAAAAAOO
44-FOWARD COCKPIT 45 EMERG OXYGEN CYLINDER	G G G47221	EDBA	EDBA	EDB	ODAAAAOG
67 EMERGENCY OXYGEN REGULATOR	G47221 G47222 G47223	EDBAG EDBAG			Å
69 ANTI-SUFFOCATION VALUE	G47224 G47225	EDBAC EDBAE			A
70 CONTROL VALVE 1 RESET LEVER 72-AFT COC PIT	G47226 G47227	EDBAF EDBAG			A A
-GTEFT GUE PIE	G	EDBB	L 1	EDB	00444400

				DEP	CO 4	SENSITIVITY
TITLE	MUC	ALPHA	INPUT			W 123454749
*3 EMERGENCY OXYGEN CYLINDER 74 PRESSURE GAGE	647999					<u> </u>
75 EMERGENCY OXYGEN REGULATO 30 PRESS SULT LOX VALVE	8 647223 647212	£080C				*
31 LOW WARNING LIGHT 32 DILUTER DEMAND REGULATOR	647213	EDARC				A
33 LOX FLEXIBLE HOSE	G47214 G47215	EDARE				A
34 LOWER DISCONNECT BLOCK	G47214 G47217	EDARG				Ä
76 EMERGENCY CONTROLLER 77 ANTI-SUFFOCATION VALVE	G47224 G47225	ED OG E				Ā
78 CONTROL VALVE 79 RESET LEYER	G4722R G47227	EDOOF EDOOG				A
OZ	H	EE	EE4	E	D	USSSSSSS
03-FWD COCKPIT LIGHTING	H	ĒĒA EFA	EE0 FEAA	EE		*****
*INTEGRAL * INST LIGHTS DO VERTICAL CAUTION PANEL	н	EEAA	EE AR EF L	EEA		55555555
DY COURPLY CONTROL PANEL	H44111 H44112	FEAAA				A A
OF MASTER CAUTION LIGHT OF CAUTION TEST CONTROL UNIT	H44117 H44114	EEAAC				A
10 WHEELS WARNING 11 CAUTION LITE RELAY PANEL	H44118 H4411C	EEAAE Eeaaf				Ä
13 INDEXER LITE CONTROL PANEL 13 STANOBY COMPASS LIGHT	. H4411D H4411F	EEAAG Eeaah				Ā
14 IMBTRU PANEL EDGS LIGHT	H44116 H4411H	EEAAK				A
15 RELAY PANEL TEST LIGHTS 16 MISSILE STATUS PANEL 17 PILOT EJECTION LIGHT/SWITC	H4411.J	EFAAL EEAAM				1
18 WARNING LIGHT RELAY PANEL 19 MASTER CAUTION RESET SWITC	H4411P	EEALN				4
•FL000 LIGHTS	н	EEAAP EEAA	EEC	EEA		35555555
21 EMERGENCY FLOOD PINEL 22 RED CONTROL FLOOD LIGHT	H44113 H44114	EEARA EFABU				4
23 RED INST FLOODLIGHT 24 UTILITY SPOT LIGHT	H44115 H44116	EEARU				A
25 HEAD-FLOOD LIGHT ASSY 26 COCKPIT FLOODLIGHTS	H44118 H4411H	EEARL EEARF				A
27 COCKPIT EMERG FLOODLIGHTS 28-AFT COCKPIT LIGHTING	H4411N	EFARG EFB	EF 34	EE		*
*INTEGRAL + INST LIGHTS	H	ÉÉB EEBA	Ef BB			******
31 COCKPIT INST LIGHT PANEL 32 RADAR SCREEN WARN LIGHT	H44121 H44126	EEBAA	E. O	EEB		355555555 A
33 EJECT WARNING LIGHT 34 WARNING LIGHT ASSY	H44127	EEBAH				4
35 TELELIGHT AFT PANEL	H44128 H44124	EEBAL EEBAL				A
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TITLE	WUC	ALPHA	INPUT	DEP FUNC	CD AL FC FN	SENS[7]/17 W 123454799
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT	WUC H44111 H4411G	EEBAF EEBAG	1NPU T		CD AL FC FN	8ENSITIVITY W 123454799
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT 4FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT	H44111	EEBAF EEBAG EEBB	INPUT		CD AL FC FN	W 17345A799 A A 111111111
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT	H44111 H44116 H H44114 H44115	EEBAG EEBB EEBBA EEBBA EEBBA		FUNC	CD AL FC FN	W 17345A749 A 111111111
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT	H44111 H44114 H44114 H44115 H64116 H44118	EEBAG EEBAG EEBBA EEBBA EEBBG EEBBC EEBBD		FUNC	CD AL FC FN	W 12345A749 A A 111121111 A A A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT	H44111 H44116 H H44114 H44115 HC4116	EEBAG EEBB EEBBA EEBBA EEBBG EEBBD EEBBD EEBBD EEBBD EEBBD	E EE	FUNC	CD AL FC FN	W 17345A799 A A 111111111 A A A A A AAAAAAAAA
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44**LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNE	H44111 H44114 H44115 H44116 H44118 H4411N H	EEBAG EEBB EEBBA EEBBA EEBBA EEBBB EEBBB EEC EEC EECA	E EU EEE L	FUNC EEB EEAA EEAB	CD AL FC FN	# 17345A7A9 A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNE 47 LIGHTING SELECTION	H44111 H44116 H H44114 H44115 H44116 H44118 H4411N H H444112 H	EEBAF EEBAG EEBBA EEBBA EEBBC EEBBC EEBBC EECA EECA	E EE	FUNC	GD AL FC FN	# 17345A740 A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44**LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNE	H44111 H44114 H44115 H44115 H44118 H4411N H H44112 H H44112 H	EEBAF EEBAG EEBBA EEBBA EEBBC EEBBC EECA EECA EECA	EEE L EEE L Kab	FUNC EEB EEAA EEAB EEBA EERB	CD AL FC FN	# 17345A7A9
34 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 64 COCKPIT LIGHTS CONTROL PNE 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNE 49-ELECTRICAL PUR DIST + CONTROL 51	H44111 H44114 H44115 H44116 H44116 H44110 H H H44112 H H H44112 H H H44112 H H	EEBAF EEBBA EEBBA EEBBO EEBBO EEBBO EEBBO EEBC EECA ECO EED EED EED EED EEE EEE	EEE L EEE	FUNC EEB EEAA EEAB EEBA EERB	CD AL FC FN	# 17345A7A9 A
34 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNE 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNE 49 ELECTRICAL PUR DIST + CONTROL 51 52 53	H44111 H44116 H44115 H44115 H44116 H44110 H H44112 H H44112 H H H44112 H H H H H H H H H H H H H H H H H H	EEBAF EEBAG EEBBA EEBBO EEBBO EEBBO EEBE EEC EECA EECA EEDB EEE EEE EEE	EEE L EEE L Kab Kac	FUNC EEB EEAA EEAB EEBA EERB	CD AL FC FN	# 17345A7A9
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49 ELECTRICAL PUR DIST + CONTI	H44111 H44116 H44115 H44115 H44116 H44118 H44112 H H44112 H H44112 H H H	EEBAF EEBAG EEBBA EEBBO EEBBO EEBBO EEBBE FEC EECA EECD EECD EEDB EECBE EECB EECBE E	EEE L KAB KAC KAD KRA KAL	FUNC EEB EEAA EEAB EEBA EERB	CO AL FC FN	# 17345A7A9
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTIMS SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49 ELECTRICAL PUR DIST + CONT 51 52 53 54 55 56 NO 2 CKBR PANEL	H44111 H44114 H44115 H44118 H44118 H44118 H44111 H H44112 H H H H H H H H H H H H H H H H H H	EEBAF EEBAG EEBBA EEBBO EEBBO EEBBO EEBBO EEBBO EECA EECA EECA EECA EECA EECA EECA EEC	EEE L KAB KAC KAD KRA	FUNC EEB EEAA EEAB EEBA EERB	GO AL FC FN	# 17345A7A9 A 111111111 A A A A A A A A A A A A A
34 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNE 47 LIGHTING SELECTION 51 52 53 54 55 56	H44111 H44114 H44115 H44116 H44116 H44112 H H H44112 H H H H H H H H H H H H H H H H H H	EEBAAG EEBBA EEBA EEE EEE	EEE L KAB KAC KAD KAE KAE KAE	FUNC EEB EEAA EEAB EEBA EERB	CO AL FC FN	# 17345A7A9 A 11111111 A A A A A A A A A A A A A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49 ELECTRICAL PUR DIST + CONTI 51 52 53 54 56 57 58 60 2 CKBR PANEL 58 INTEGRAL LITES AUTOTRANSFOR 59 WIRING 4-ANTI-G SYSTEM	H44111 H44114 H44115 H44116 H44116 H44110 H H44112 H H H44112 H H H H H H H H H H H H H H H H H H	EEBAAG EEBBA EEB EEE EEE	EEE L EEE L KAB KAC KAD KRA KAE KAAL KAAL C	FUNC EEB EEAA EEAB EEBA EERB	CO AL	# 17345A7A9 A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49 ELECTRICAL PUR DIST + CONTI 51 52 53 54 55 INTEGRAL LITES AUTOTRANSFOR 59 WIRING **ANTI-G SYSTEH 01	H44111 H44114 H44115 H44116 H44116 H441112 H H441112 H H44112 H H44112 H H H H H H H H H H H H H H H H H H H	EEBAAG EEBBAAG	EEE L EEE L KAB KAC KAD KRA KAAL KAAL KAAL L EFA	FUNC EEB EEAA EEAB EERA EERA EEC EED	CD AL	# 17345A7A9 A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49 ELECTRICAL PUR DIST + CONTI 51 52 53 64 65 60 2 CKBR PANEL 55 INTEGRAL LITES AUTOTRANSFOR 97 WIRING *ANTI-G SYSTEM 01	H44111 H44114 H44115 H44116 H44117 H441112 H H44112 H H H44112 H H H H H H H H H H H H H	EEBAAG EEBABA ABEEEBABBE EEBABBE EEBABBE EEBABBE EEBABBE EEECA EEECADDB EEEEEEEEEEEFFAA EEEFFAA	EEE L EEE L KAB KAC KAAD KAA KAE KAA KAE KAA L L EFA L	FUNC EEB EEAA EEAA EERA EERA EEC EED	CD AL	# 17345A7A9 A 111111111 A A A A A A A A A A A A A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 COCKPIT LIGHTS CONTROL PNE 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNE 49-ELECTRICAL PUR DIST + GONT 51 52 53 60 NO 2 CKBR PANEL 54 55 61 61 NTEGRAL LITES AUTOTRANSFOR 61 ANTI-G SYSTEM 61 64 ANTI-G SYSTEM 65 ANTI-G SYSTEM 66 ANTI-C SUIT 67 ANTI-C SUIT 67 ANTI-C VALYE	H44111 H44114 H44115 H44116 H44116 H441112 H H44112 H H44112 H H H H H H H H H H H H H H H H H H	EEEBBB AGGEBBBC CADBEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	EEE L KAB KAAC KAAD KRAE KAAG L EFA	FUNC EEB EEAA EEAB EERA EERA EEC EED	CD AL	# 17345A7A9 A
36 VERT CAUTION PANEL 37 INST PAMEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 COCKPIT LIGHTS CONTROL PME 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PME 49*ELECTRICAL PWR DIST + CONTI 12 23 33 34 55 36 NO 2 CKBR PAMEL 58 INTEGRAL LITES AUTOTRANSFOR 39 WIRING **ANTI-G SYSTEM OL *FMD ANTI-G SYSTEM FMD ANTI-G SUIT FMD GANTI-G SUIT FMD GANTI-G SUIT FMD GANTI-G SUIT FMD GANTI-G SUIT FMD GASUIT RELIEF VALVE FMD GOSUIT RELIEF VALVE	H44111 H44114 H44115 H44116 H44116 H44112 H H H44112 H H H H H H H H H H H H H	EEBBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	EEE L KAB KAAC KAAD KRAE KAAG L EFA	FUNC EEB EEAA EEAB EERA EERA EEC EED	CD AL	# 17345A7A9 A 11111111 A A A A A A A A A A A A A
34 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49-ELECTRICAL PUR DIST + CONTI 51 52 53 54 6 NO 2 CKBR PANEL 58 INTEGRAL LITES AUTOTRANSFOR 59 WIRING *ANTI-G SYSTEM 01 *FWD ANTI-G SYSTEM 01 FWD ANTI-G SUIT FWD ANTI-G VALVE FWD G-SUIT FELLEF FORT FWD MANUAL INFLATION BOTTON	H44111 H44114 H44115 H44116 H44116 H44112 H H44112 H H44112 H H H H H H H H H H H H H	EEBBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	EEE L KAB KAAC KAAD KRAE KAAG L EFA	FUNC EEB EEAA EEAB EERA EERA EEC EED	CD AL	### 17345A7A9 A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44**LIGHTING SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49**ELECTRICAL PUR DIST + CONTI 51 52 93 54 NO 2 CKBR PANEL 58 INTEGRAL LITES AUTOTRANSFOR 59 WIRING *ANTI-G SYSTEM 01 *FUD ANTI-G SYSTEM 01 *FUD ANTI-G SYSTEM FUD G-SUIT FEMALYST PORT FUD G-SUIT FEMALYST PORT FUD MANUAL INFLATION BOTTOR *AFT ANTI-G SYSTEM	H44111 H44114 H44115 H44116 H44116 H44112 H H44112 H H44112 H H H H H H H H H H H H H	EEBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	EEE L EEE L KAB KAC KABA KAE KAAH L EFA L EFA CCK	FUNC EEB EEAA EEAB EERA EERA EEC EED	CD AL FC FN	######################################
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44**LIGHTIMS SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49**ELECTRICAL PUR DIST + CONT 51 52 53 54 55 56 NO 2 CKBR PANEL 58 INTEGRAL LITES AUTOTRANSFOR **ANTI-G SYSTEM 01 **FWD ANTI-G SYSTEM 01 **FWD ANTI-G SYSTEM FWD ANTI-G VALVE FWD G-SUIT FXAMUST PORT FVD MANUAL INFLATION BOTTON **AFT ANTI-G SYSTEM AFT ANTI-G SVSTEM AFT ANTI-G VALVE **FWT ANTI-G SVSTEM AFT ANTI-G SVSTEM AFT ANTI-G SUIT **AFT ANTI-G SUIT **FWT AN	H44111 H44114 H44115 H44116 H44118 H44112 H H44112 H H44112 H H H H H H H H H H H H H	EEEBBBBCCAODB EEEEEEEEE ARE AAAAAB AAAFFFFFFFFFFFFFFFFFFFFFFFFFFFF	EEE L KAB KAC KAD KRAL KAG KAAL L EFA L CCK L	FUNC EEB EEAA EEAB EEC EED	FC FN	### 17345A7A9 A
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44-LIGHTING SELECTION 45 COCKPIT LIGHTS CONTROL PNE 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNE 49*ELECTRICAL PWR DIST * CONTI 51 52 53 54 55 6 NO 2 CKBR PANEL 56 INTEGRAL LITES AUTOTRANSFOR *ANTI-G SYSTEM 01 *FMD ANTI-G SYSTEM 01 *FMD ANTI-G SYSTEM 54 55 6 COMPOSITE DISCONNECT FMD GAULT RELIEF VALVE FMD G-SUIT FKHAUST PORT FMD MANUAL INFLATION BOTTON *AFT ANTI-G SYSTEM AFT ANTI-G SUIT FMT ANTI-G SYSTEM AFT ANTI-G SUIT FMT ANTI-G SYSTEM AFT ANTI-G SUIT FMT AN	H44111 H44114 H44115 H44116 H44116 H44112 H H H44112 H H H44112 H H H H H H H H H H H H H	EEBBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	EEE L EEE L KAB KAC KABA KAE KAAH L EFA L EFA CCK	FUNC EEB EEAA EEAB EEC EED	FC FN	######################################
36 VERT CAUTION PANEL 37 INST PANEL EDRE LIGHT *FLOOD LIGHTS 39 RED CONTROL FLOODLIGHT 40 RED INST FLOODLIGHT 41 UTILITY SPOT LIGHT 42 READ-FLOOD LIGHT 43 EMERGENCY FLOODLIGHT 44**LIGHTIMS SELECTION 45 46 COCKPIT LIGHTS CONTROL PNEL 47 LIGHTING SELECTION 48 COCKPIT LIGHTS CONTROL PNEL 49**ELECTRICAL PUR DIST + CONT 51 52 53 54 55 56 NO 2 CKBR PANEL 58 INTEGRAL LITES AUTOTRANSFOR **ANTI-G SYSTEM 01 **FWD ANTI-G SYSTEM 01 **FWD ANTI-G SYSTEM FWD ANTI-G VALVE FWD G-SUIT FXAMUST PORT FVD MANUAL INFLATION BOTTON **AFT ANTI-G SYSTEM AFT ANTI-G SVSTEM AFT ANTI-G VALVE **FWT ANTI-G SVSTEM AFT ANTI-G SVSTEM AFT ANTI-G SUIT **AFT ANTI-G SUIT **FWT AN	H44111 H44114 H44116 H44116 H44112 H H44112 H H44112 H H H44112 H H H H H H H H H H H H H	EEEBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	EEE L EEE L KAB KAC KABA KAE KAAH L EFA L EFA CCK	FUNC EEB EEAA EEAB EEC EED	FC FN	### 17345A7A9 A

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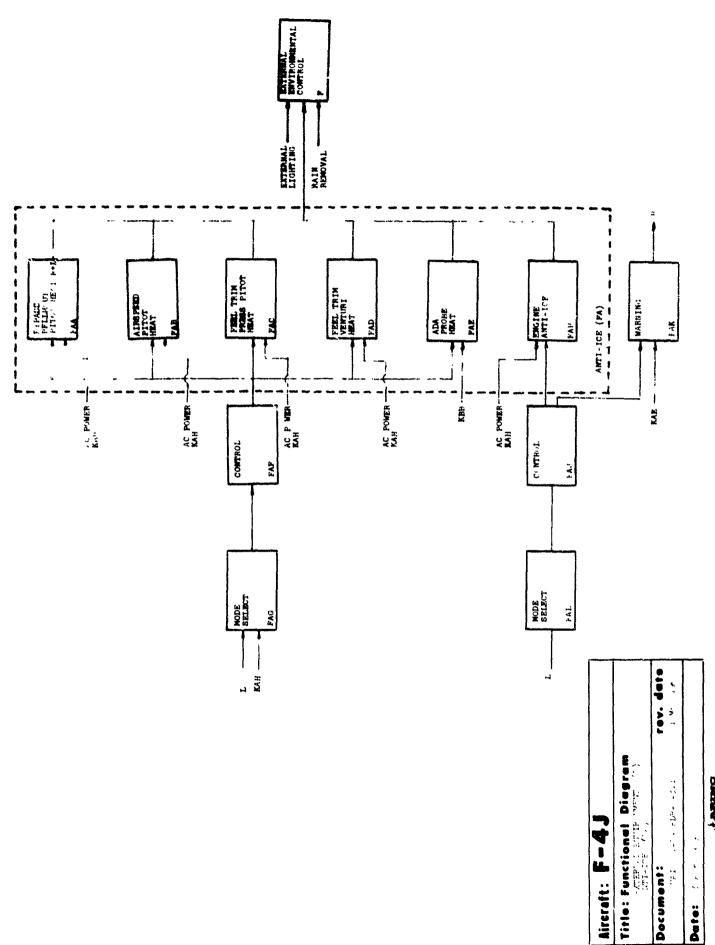
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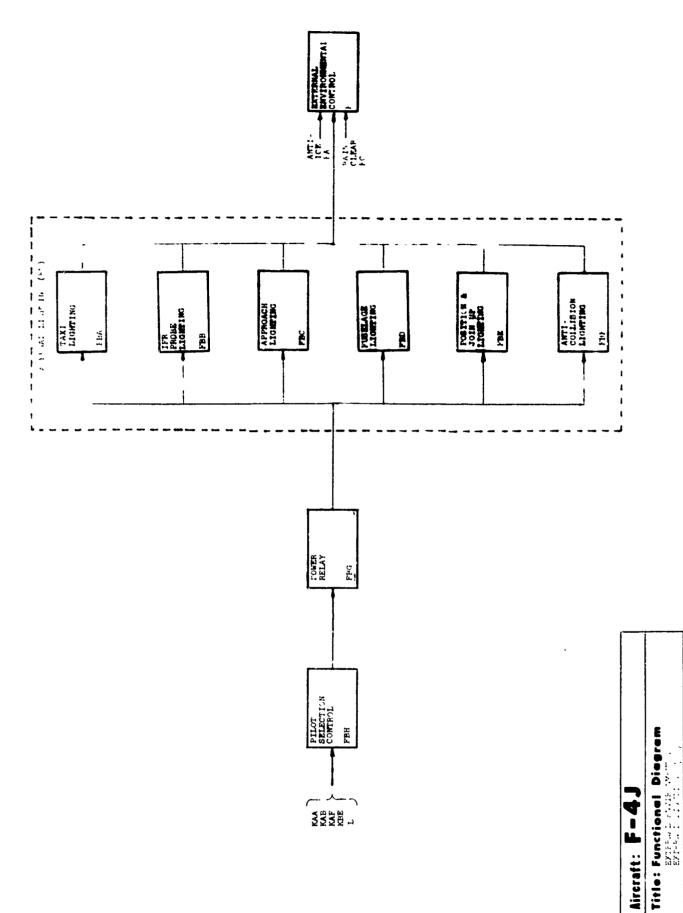
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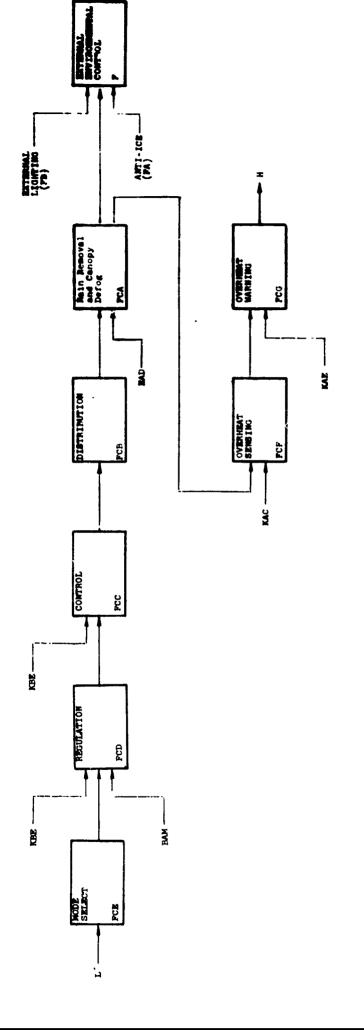
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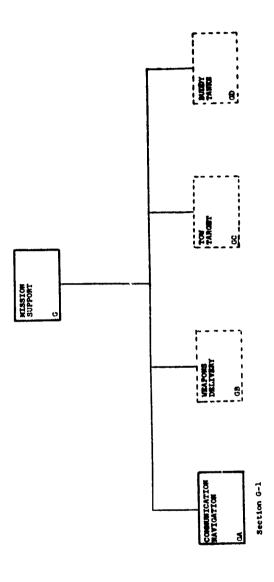
Section F-3

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15 SAMP C/8-404 PROSE HEATER	748136	FUE				•
16 RELAY-BELLMOUTH PITOT HTS AMLS SCISSORS SVITCH	713742 745777					*
MOSE GEAR DWG LIMIT SWITCH	113143	DAGBAA				•
19 AND HEATER MELAY	148711					4
21	1	F4 6 F4 6	Kam L	FAF		*****
28 BUTCH-AIRSPED AND PEEL BY		FASA		_		A
23-EMBINE ANTI-ICE 24	J	F 4M F 4M	FA. Kam	•	•	035177510
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27 SAMP C/8-ANT1-1CE	J J42151	FAJA		e Pr		44444444
20 AMTI-ICE VALVE	J234871	Mar 1'le				A
29 ANTI-ICE VALVE	1537071	DOLF AJC				•
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32 54# FUEL		· FAKA				A
33 DIFF PRESS SHITCH 34 CAUTION LITE CONTROL ASSY		Pare Sid Wee				A
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39 ANTI-ICE BUITCH		. FALA	_			A
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TITLE APPROACH LIGHTB FUGELASE LIGHTING FUGELASE LIGHTS UPPER LIGHT LOWER LIGHT	WUC K44827 K44820 K44821 K44999	ALPHA FBCA FBOA FBOA FBOAE	INPUT FBG	DEP FUNC		BENEITIVITV W 123454707 A 111111111
APPROACH LIGHTS FUSELASE LIGHTING FUSELASE LIGHTS UPPER LIGHT LOWER LIGHT	K44227 K K44220 K44221 K44222 K44222	FBCA FBO FBOA FBOB LFBOC RFROC	FBG	FUNC	PC FN	# 123436767 A 111111111 A A
APPROACH LIGHTS FUSELASE LIGHTING FUSELASE LIGHTS UPPER LIGHT LOWER LIGHT LOWER LIGHT POSITION JOIN-UP LISHTS WINS-TIP JOIN UP LISHTS	K44227 K K44221 K44221 K44222 K44222	FBCA FBO FBOA FBOB LFBOC RFBOC FRE	• • • •	FUNC	FC FN	W 123454707 A 111111111 A
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*FUBELAGE LIGHTING FUBELAGE LIGHTS UPPER LIGHT LOWER LIGHT LOWER LIGHT	# #44270 #14221 #44222 #44222	FBD FBD4 FBD6 LFBDC RFBDC	FRC	•)¢	111111111
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*ANTI-COLLISION LIGHTING ANTI-COLLISION LIGHTS POWER DISTRIBUTION	K K44224 K	FHF FBFA FBG	FRG FB=	F Fra)¢	011111110
APPROACH LIGHT RELAY	K K K K K K K	FBG FBG FBG FBG 1 ag		FBC FBC FBC FBE		
WING TIP LIGHT RELAY ANTI-COLLISION LIGHT RELAY FLASHER RELAY-ANTI COLLISH FLASHER RELAY-JOIN UP LIGHT EXTERIOR LIGHTW FLASLER	K421120 K421120 K421120	FBCB				
PILOT SELECTION/CONTROL 26 26 26 27 74XI LITE SWITCH	K K K K K K	FBH FBH FBH FBH FBHA	KAA Kab Kaf Kae	FBG	,	*****
JO 19 AMP TAXE LITE CAT BAKE 20 IFR PROBE LITE SHITCH 31 IFR PROBE LITE DIM/BRT CTAL 31 ING LITES SHITCH 33 TAIL LITE SHITCH 34 WING LITE SHITCH 35 WING LITE BAT CKT BAKE 35 WING LITE BAT CKT BAKE	X4422° K4422° K4422° K4423° K4423° K42152° K42152°	FBHB FBHC FBHD FBH2 FBHF FBHG FRHH F3HJ				
36 EXTERIOR LITES MASTER SW 37 STEADVYFLASM 8N-EXT LITES 38 FUSELG LITES ON/OFF SWITCH 39 FUSELG LITES-DIM/SRT SW 40 FUSELG LITES-PLASM SWITCH 41 3 AMP (MASTER SW CKT RRKR)	K44215 K4421•	FBHR FBHL FBHN FBHN FBHQ FBHR			A A A A S	

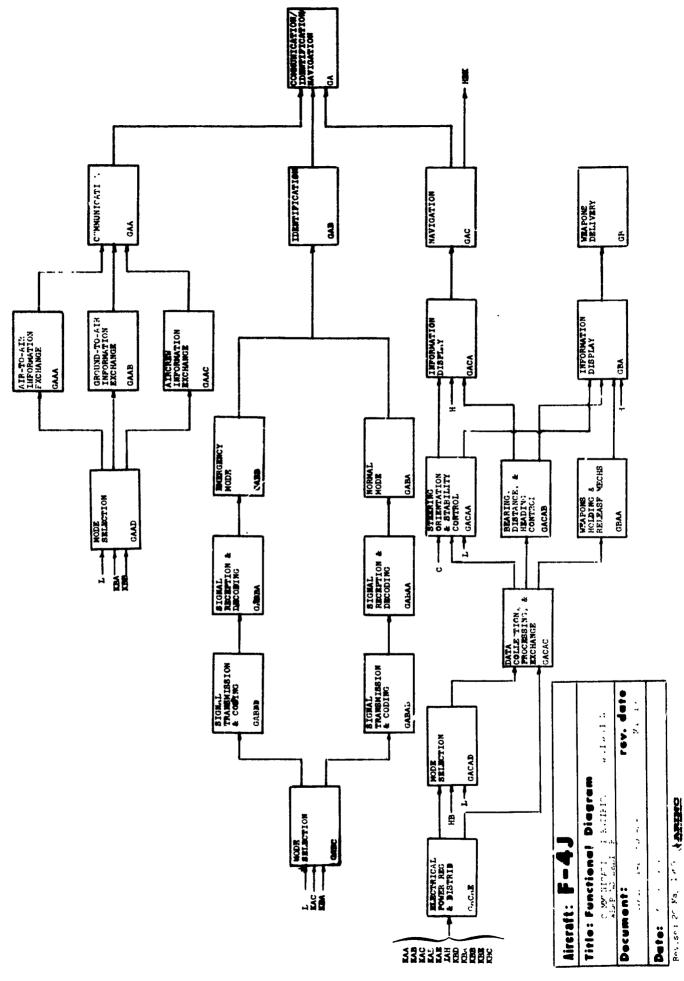
TITLE	**	ALPHA .	IMPUT	DEP FUNC		# 143496767
WORE BEAR DON LINIT BY	K13643	DAABAA				A
A MAIN SEAR DUR LIMIT ON	#1364E	SALLAGE				Ā
r weln deve bon fluit on	E13(48	SALLAR				Ā
LMAIN DEAR OCIDERAS ON	413(4)	LBEBADS				Ī
HORE BOD FIRST BASTON	413635	AACEC				Ā
46 HOSE SYPAGE BUTTON	K1364 •	76.5				Ä
FLAP LINIT BUITEN	K1 496F	COODH				Ā
PLAP PLASMER RELAY	K42112					4
S AND CAT BOWN LITE	K42150	PRJK				4
S AND CUT BANKS & LITE REL						A
FLAP-UP FLAB-GR S LIP CKY BRIER-FLAP FLASH	K1480+	70,31				4
RAIN MEMOVAL/CAMOPY DEFOC	Earl 127 124			_		A
mater armoust scoreday Debat	•	PCA	PCB		DE	242121252
03 RAIN REMOVAL NOTTLE	141213	FEA. FEAA	EAD	FCF		******
DISTRIBUTION	F-1717	7 CB	FCC	FCI		A
OS DRAIN VALVE	L4131+	FEBA	, ,	PGZ		. ******
RESULTING TABLE VERTING AS	L41120	EAASC				
97 DUCT	L4131+	FCBC				
CONTROL	[PEC	FCD	FCS		
D+	Ľ	FCC	KOE	. ••		******
18 HAIN MEMOVAL VALVE	L41318	FCCA				
11 SYPAGE VALVE	L41314	FCCB				•
RESULATION	L	FCO	FCE	FCC		*****
13	Ł	FCO	BAM			
	. L	FCD	KBE			
14 PRESS REGULATR/SHUT-OFF V. HOSE SELECT	FAF41375	FCDA				1
16 RAIM REMOVAL SWITCH		FCE	L	FCD		****
17 SAMP CIRCUIT BREAKER	L41324	FCEA				1
OVERHEAT SENSING	L421520					\
AND CAREST SECURITION	٠,	FCF FCF	FCA	FCG		*****
20 SAMP CIRCUIT BREAKER	L+2152+		KAC			
TEMP SENSING AMPLIFIER	L+131+	FCFB			- 1	•
22 TEMP SENSOR	L41311	FCFC				
OVERMENT VARHING	L	FCE	FCF	H	•	011111110
24	ĩ	FCS	KAE	-		01111111
25 SAMP CINCUIT BREAKER	L42152+	PCSA	~45			
26 TEST MELAY	L42111+	FCSR			7	•
37 PANEL CAUTION LITE	L4131+	FCSC			7	
	- 2				-	•





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Section G



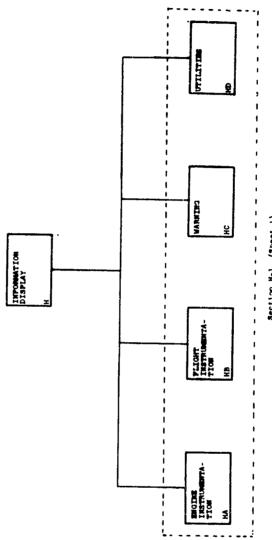
				DEP	CO AL SENSITIVITY
TITLE	MAC W		INPUT	FUNC	FC PN W 123496767
OMISSION SUPPORT	M	6	6 4		002899990
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COM/IDENTIF/NAVIGATION	Ä	<u> </u>		•	E TVVTTTV
43	Ä	44	SAC		
64 640COMANICATION 08	Ä	ŠĀA	SAAA	GA .	025555810
09	T	##	BAAN		2
06	Ħ	GAA	SAAC		
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		CAAA	EST SAAD	BAA	011111100
07-AIR TO AIR IMPORMATION EXC DB RADIO SET CONTRL C-6484/AB			4440		A
DB RADIO SET CONTRL C-0004/AU DP RAD RCV-TRNS RT-793/ABO	H4317000	ZAAAA			ī
18 RADIO REVR R-1284/ARR-69	M4334100				Ã
11 AMP REL ABBY AM-3624/ARA-9					A
12 ADF ANTENNA AB-909/ARA-48	M435+++				A
13 UMF COMM FILTER	M47120	galap			A
14 ANTENNA BELECTOR SWITCHES	M431	GAAAG			,
15 COM COAX RELAY	M63161C8				•
16 UMP COMM ANTENNAS	MAJIZN	CAAAK			7
17 FRES CHANL IND 10-13119456	1037000	GAAAL			1
19 ATTITUDE REF SOME COMPUTER 19 ROR RCYR-TRNSH GR-184/ALG9	1 14 500000				Ã
29 FVD COCKPIT HEADSET	M44816	GAAAN			Ā
21 AFT COCKPIT HEADSET	M64816	GAAAP			Å
22 FWD INTERCOMM AMPLIFIER	M6481N	GAAAQ			A
23 AFT INTERCOMM AMPLIFIER	M6481N	GAAAR			•
24 TAKE COMMAND RELAY PANEL	M6712H	GAAAS			A 00334444
*AIR-TO-GROUND INFRMTN EXCH		GAAB	GAAD	GAA	023344440
28 INTERCOME STATION LB-439	M6712E M64810	gaara ga ara			1
29 UMF-ICE SWITCH 30 ICE FOOT SWITCH	M6481+	GAASC			Ā
31 HEADSET-HICROPHONE ADAPTER		GAABD			Ā
32 EXTERNAL RECPTACLE	M4481+	GAADE			Ä
33 INTERCOMM STATION LE-460	H4712F	SAABF			A
34 UMF COMM COAX RELAY	M43181C0				A
38 AMP REL ASSY AM-3624/ARA-8	OH431				<u> </u>
36 TAKE COMMAND RELAY PANEL	M6712H	GAABJ			4
39 FWD HEADSET	M64816	GAAAN Gaaap			1
40 AFT HEADGET 41 RAD RCL-TRNS RT-793/ASQ	M64816 M6317004				í
41 RAD RCV-TRNS RT-793/ASQ 42 RADIO RCV R-1286/ARR-69	H4334100				Ä
43 UMF COMM ANTENNAS	M6312N	GAAAJ			Ä
44 ANTENNA BELECTOR SWITCHES	M6310000				A
.AIRCREW INFO EXCHANGE	H	GAAC	GAAD	CAA	00000000
46 AUDIO AMPLIFIER	M6481.	GAABA			•
47 CONTROL UNIT	M6481 •	GAARC			•
48 HEAD BET MICROPHONE ADAPE	M64816	GAABD Gaaan			1
51 FWD HEADBET 52 AFT HEADBET	M44814	GAAAP			Ā
OMODE SELECT	×	GAAD	L	GAAA	- 4444444
	M	GAAD	KBA	GAAB	AAAAAAAA

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TITLE	YUC .	ALPHA	IMPUT	PUNC	CD AL BENGITIVITY FC FM W 123454787
		GAAD	KBG	GAAC	*****
56 INTERCOMM STATION LS-459	M4712E	GAABA	*****		A
ST UMF-ICS SWITCH SE ICS FOOTSWITCH	M4481 • M4481 •	GAA B G S aab g			4
SV COM ANTENNA SELECTOR SWITCE	M631000	BAAAG			*
61 CN1-NAV COMP SWITCH	M6712000	CAADC			A
68 DATA LINK CONTROL PANEL 63 INTERCOMM STATION LS-460 64 IDENTIFICATION	Massass Ma712F	GAABF			A A
64 IDENTIFICATION	H	SA B GA B	CAMA	GA	00000000
SS-NORMAL MODE	H	GABA	SABAA	SAB	00000000
67-816NAL RECEPTION + DECODING 68 CODER-ROVE-TRANSMITTER	6M M65210	Ca b aa Cabaa	61818	GARA	00000000
49 IFF ANTENNA 78-SIGNAL TRANSMISSION + COON	M65200	CABAB CABAB	GABC	GABAA	000069200
71 CODER-RCVR-TRANSMITTER	M65210	GABABA		4	A
72 IFF ANTENNA HODE SELECT	M452++ M	GA B A B B GA B C	L	GA 988	*
74 75	H	GABC GABC	KAC Kaa	CABAS	****
76 TRANSPONDER CONTROL SET	H45290	GABCA			A
77-EMERGENCY MODE SIGNAL RECEPTION + DECODIN	GH .	64 86 4	64 88 4	ga bb	00000000
79 CODER-RECYR-TRANSMITTER 80 IFF ANTENNA	M49210 M492.0	GA b aaa Ga b aab			A
81 EMERGENCY IFF RELAY 82 EMERGENCY SWITCHES	H45200	GABBAB			A
83-516MAL TRANSMISSION + CODE	UM T	64 868 64 86 40	SABC	GABBA	00000000
84 CODER-ROVE-TRANSMITTER 85 IFF ANTENNA	M69218 M69200	ga b aaa ga b aar			A
86 EMERGENCY RELAY 87 EMERGENCY SWITCHES	445200	GABBAR			Ä
-NAVIGATION	M432	GA BB AC GAC	SACA	GA	002555200
	M	GAC GAC	EBu EBR	HBK	AAAAAAA
	H	GAC	685		
.IMPORMATION DISPLAY	ä	GACA GACA	EBT H	GAC	****
*0	M	gaca gaca	GACAB		
-STRNG ORNTH . STAB CONTROL	M	GACAA	C	GACA	****
14	H	GACAA	6ACAC	GBA	00000000
-DATA COLLECT/PROCESS/EXCHN	GM M	GAGAC GAGAC	GACAE GACAD	GACAA	AAAAAAA AAAAAAA
	H	GACAC	4	GBAA	00000000
98 DATA LINK SYSTEM	M600000	GACACA			A
TITLE	-	ILPHA	INPUT	DEP FUNC	CO AL SENSITIVITY FC FN W 123494789
99 AIR DATA COMPUTER SET AI TAGAN NAVIGATIONAL SET	M56450 M71430	ALPHA GAGACR GAGACC	[NPUT	GEP FUNC	CD AL SENSITIVITY FC FN W 1234547A9
99 AIR DATA COMPUTER SET A1 TACAN NAVIGATIONAL SET A2 ATITUDE REF BONG COMPTR SE	M56450 M71430 TM73110	GAGACR GAGACC GAGACD	INPUT	DEP FUNC	CO AL SENSITIVITY FC FN W 123496789
99 AIR DATA COMPUTER SET AI TAGAN NAVIGATIONAL SET AZ ATITUDE REF SOMS COMPTR SE AZ NAVIGATIONAL COMPUTER SET	M56450 M71430 TM73110 M73490 M57000	GAGACR GAGACC GAGACD GAGACE GAGACF	[NPUT	DEP FUNC	CO AL SENSITIVITY FC FN W 123454789
99 AIR DATA COMPUTER SET AI TAGAN NAVIGATIONAL SET AZ ATITUDE REF SOME COMPUTE SET AS NAVIGATIONAL COMPUTER SET A4 FLIGHT CONTROL GROUP A5 FLIGHT DIRECTOR GROUP A6 MISSILE CONTROL SYSTEM	M56450 M71430 TM73110 M73490 M57000 M71740 M75900	GACACR GACACC GACACD GACACE GACACF GACACC GACACH	INPUT	Dep Func	CO AL SENSITIVITY FC FN W 123454789 A A A A A
99 AIR DATA COMPUTER SET AI TACAN MAVICATIONAL SET AZ ATITUDE REF SOME COMPTR SE AS NAVIGATIONAL COMPUTER SET A4 FLIGHT CONTROL GROUP A5 FLIGHT DIRECTOR GROUP A6 MISSILE CONTROL SYSTEM A7 ELECTRONIC ALTIMETER SET	M56450 M71430 TM73110 M73470 M57000 M71740	GACACR GACACC GACACC GACACE GACACE GACACC GACACC GACACC GACACC	[NPUT	D4P FUNC	CO AL SENSITIVITY FC FN W 123454789 A A A A A A
THE AIR DATA COMPUTER SET AT TACAN NAVIGATIONAL SET AS ATTUDE REF BONG COMPUTER SET AS ATTUDE REF BONG COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS HIGHT CONTROL SYSTEM AT ELECTRONIC ALTIMETER SET AS ELINT SYSTEM AS INTERROCATOR SET	M56450 M71430 TM73110 M73490 M57000 M71740 M75900 M72000 M72000 M72000 M72000 M72000	GAGACR GAGACC GAGACC GAGACE GAGACF GAGACG GAGACG GAGACG GAGACC GAGACC	[NPUT	04P FUNC	CO AL SENSITIVITY FC FN W 123454789 A A A A A A A A A A A A A A A A A A
99 AIR DATA COMPUTER SET AI TACAN NAVICATIONAL SET AZ ATITUDE REF SOMS COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS HIGHT CONTROL SYSTEM AF ELECTRONIC ALTIMETER SET AS ELINT SYSTEM AS INTERROGATOR SET BI VERTICAL FLIGHT REF SET BI VERTICAL FLIGHT REF SET BI VERTICAL FLIGHT REF SET BI VERTICAL FLIGHT REF	M56450 M71430 TM73110 M73490 M57900 M71740 M75900 M72000 M70000 M70000 M76000 M76000 M76000 M76000 M76000	GACACR GACACC GACACC GACACE GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC	INPUT	DEP FUNC	FC FN W 1234547A9
99 AIR DATA COMPUTER SET AI TACAN NAVICATIONAL SET AZ ATTIUDE REF SOMS COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT PARTIES AS FLIGHT SYSTEM AP INTERROGATOR SET BY COMPUNICAL FLIGHT REF SET BY COMPUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY BY SYSTEM BY VARIABLE INLET DUCTRAMP SY BY SYSTEM BY SYSTEM	M56450 M71430 TM73110 M73490 M77000 M77000 M72000 M72000 M60000 M60000 M60000 M60000 M60000 M74410	GACACR GACACC GACAC GACACC GACACC GACACC GACACC GACACC GACAC GACACC GACAC GACACC GACAC GA		FUNC	FC FN W 1234547A9
THE AIR DATA COMPUTER SET AT TAGAN NAVIGATIONAL SET AS ATTUDE REF BONG COMPTS SE AN AVIGATIONAL COMPUTER SET AS ATTUDE REF BONG COMPTS SET AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT SYSTEM AT ELECTRONIC ALTIMETER SET AS ELINT BYSTEM BY VERTICAL FLIGHT REF SET BE COMMUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY	M56450 M71430 TM73110 M73490 M77000 M77000 M72000 M72000 M60000 M60000 M60000 M60000 M60000 M74410	GACACR GACACC GACAC GACAC GACACC GACAC GACAC GACACC GACAC	[NPUT	FUNC	FC FN W 1234547A9
THE AIR DATA COMPUTER SET AT TAGAN NAVIGATIONAL SET AT TAGAN NAVIGATIONAL SET AT TUDE REF SOME COMPTR SE AS NAVIGATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT CONTROL SYSTEM AT ELECTRONIC ALTIMETER SET AS LINT SYSTEM AT INTERROCATOR SET SET COMPUNICATION SYSTEM AS ANTIQUE INLET DUCTRAMP SY A SYPASS BELLMOUTH SYSTEM SECOMPUNICATION	M56450 M71430 TM73110 M73470 M73470 M71740 M72800 M72000 M70000 M70000 M60000 M60000 M60000 M60000 M60000 M60000 M60000 M60000	GAGACR GAGACC GAGACC GAGACF GAGACF GAGACH GAGACH GAGACL GAGACH GACH		FUNC	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
TALEN NAVIGATIONAL SET AT TACAN NAVIGATIONAL SET AZ ATTIUDE REF BONG COMPTR SE AS NAVIGATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT SYSTEM AS INTERROGATOR SET AS VERTICAL FLIGHT REF SET BE COMMUNICATION SYSTEM BE AVERAGE SELL MUCH SYSTEM BEARING/DIS/MEADING CONTRL OPEAPON MOLDING + RELS MECH MISSILE LAUMCHERS WEAPON ADAPTERS	M56450 H71430 TH73410 H73499 H73499 H73499 H73900 H71740 H73900 H72000 H72000 H60320 H60320 H60320 H60320 H7000 H7	GAGACR GAGACC GAGAC GACAC GACAC GACAC GAC G	GACAC	FUNC GACA CBA	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
PP AIR DATA COMPUTER SET AT TACAN NAVICATIONAL SET AZ ATTIUDE REF SOMS COMPUTER SET AS ATTIUDE REF SOMS COMPUTER SET AS ELIGHT CONTROL GROUP AS FLICHT DIRECTOR GROUP AS MISSILE CONTROL SYSTEM AS LINTERONIC ALTIMETER SET AS ELINT SYSTEM AS INTERNOCATOR SET SET COMPUNICATION SYSTEM AS VARIABLE INLET DUCTRAMP SY ARTHUR ENTRY OF SET SET AS COMPUNICATION SYSTEM SYPASS SELLMOUTH SYSTEM SEARING/DIS/MEADING CONTRL	M56450 M71430 TM73110 M73490 M75900 M75900 M75900 M72000 M72000 M73900 M72000 M60000 M60000 M60000 M60000 M60000 M60000 M60000 M60000 M60000 M79100	GACACR GACACC GACAC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACAC GACAC GACACC GACACC GACAC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC	GACAC	FUNC GACA CBA	FC FN W 1234547AV
THE DATA COMPUTER SET AT TAGAN NAVIGATIONAL SET AZ ATTIUDE REF SOME COMPTR SE AS NAVIGATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT CONTROL, GROUP AS FLIGHT CONTROL, SYSTEM AF INTERROCATOR SET BE LITH SYSTEM AF INTERROCATOR SET BE VERTICAL FLIGHT REF SET BE COMPUNICATION SYSTEM AS ANTIABLE INLET DUCTRAMP SY BE SYPASS BELLMOUTH SYSTEM BEARING/DIS/MEADING CONTRL **MEAPON HOLDING ** RELS MECH MISSILE LAUMCHERS BEAR ING/DIS/MEADING CONTRL **MEAPON ADAPTERS BOMS RACKS ** MOISTS ARMAMENT POOS MISSILE PYLONG	M56450 H71430 H773410 M73490 M715490 M715490 M725400 M66520 M66520 M66520 M66520 M66520 M66520 M75410 M75410 M75410 M75410 M75410 M75410 M75410 M75410 M75410	GAGACR GAGACC GAGACC GAGACC GAGACCH GACACCH GAGACCH GACCH GACACCH GACACCH GACACCH GACACCH GACACCH GACACCH GACACCH GACA	GACAC	FUNC GACA CBA	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
TALEN NAVIGATIONAL SET AT TACAN NAVIGATIONAL SET AZ ATTIUDE REF 3000 COMPT SE AZ NAVIGATIONAL GROUP AS ATTIUDE REF 3000 COMPT SE AS NAVIGATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS HISSILE CONTROL SYSTEM AS INTERROGATOR SET AS VERTICAL FLIGHT REF SET BE COMMUNICATION SYSTEM BUTTERROGATOR SET BE COMMUNICATION SYSTEM BEARING/DIS/MEADING CONTRL OBEARING/DIS/MEADING CONTRL OPEAPON HOLDING + RELS MECH MISSILE LAUNCHERS BOOM RACKS + MOISTS ARMAMENT POOS MISSILE PYLONG MISSILE PYLONG MISSILE PYLONG MISSILE SELECTION	M56450 M71430 M714310 M73470 M73470 M775700 M775900 M775900 M775900 M656260 M66660 M66660 M66660 M75900 M75900 M75900 M75900 M75900 M75900	GAGACH GAGACC GAGAC GAGACC GACAC GACACC GACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC	64CAC	FUNC GACA CBA	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
99 AIR DATA COMPUTER SET AI TACAN NAVICATIONAL SET AZ ATTIUDE REF SOMS COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT PARTIES AS ELLETRONIC ALTIMETER SET AS ELIT SYSTEM AS INTERROCATOR SET BY COMMUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY BY ANTIABLE INLET DUCTRAMP SY BY SYPRES SELLMOUTH SYSTEM BEARING/DIS/MEADING CONTRL WEAPON HOLDING + RELS MECH MISSILE LAUNCHERS BOOM RACKS + MOISTS ARMAMENT PODS HISSILE PYLONE MK 4 GON POD SYSTEM "DOR SELECTION C4 C7	M56450 M71430 M714310 M73470 M73470 M71740 M71740 M79500 M7200 M6000 M6000 M6000 M6000 M6000 M6000 M7500 M75100 M7	GACACR GACACC GA	GACAC	GACA GBA GBA	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
99 AIR DATA COMPUTER SET AI TACAN NAVICATIONAL SET AZ ATTIUDE REF SOMS COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT PARTIES AS ELLETRONIC ALTIMETER SET AS ELIT SYSTEM AS INTERROCATOR SET BY COMMUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY BY ANTIABLE INLET DUCTRAMP SY BY SYPRES SELLMOUTH SYSTEM BEARING/DIS/MEADING CONTRL WEAPON HOLDING + RELS MECH MISSILE LAUNCHERS BOOM RACKS + MOISTS ARMAMENT PODS HISSILE PYLONE MK 4 GON POD SYSTEM "DOR SELECTION C4 C7	M56450 M71430 M714310 M73470 M73470 M71740 M71740 M79500 M7200 M6000 M6000 M6000 M6000 M6000 M6000 M7500 M75100 M7	GACACR GACACC GA	GACAC GACAC	GACA GBA GBA	FC FN W 1234547AV
99 AIR DATA COMPUTER SET AI TACAN NAVICATIONAL SET AZ ATTIUDE REF SONG COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP BY FLIGHT DIRECTOR SET BY COMPUTER SET BY COMPUTER SET BY COMPUTER FET BY COMPUTER F	M56450 M71430 M714310 M73400 M73400 M71740 M79800 M79800 M79800 M66800 M66800 M66800 M679800 M79800	GAGACR GAGACC GACACC GACC GACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC GACACC	GACAC GACAC	GACA GBA GBA	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
TAGAN NAVIGATIONAL SET AT TAGAN NAVIGATIONAL SET AZ ATTIUDE REF BONG COMPTR SE AS NAVIGATIONAL COMPUTER SET AS FLIGHT CONTROL GROUP AS FLIGHT CONTROL GROUP AS FLIGHT DIRECTOR GROUP AS FLIGHT PARTIES AS ELLETRONIC ALTIMETER SET AS ELITY SYSTEM AS INTERROGATOR SET BY COMMUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY ANTIABLE INLET DUCTRAMP BY ANTIABLE INLET DUCTRAMP BY ANTIABLE HELD WEAPON HOLDING + RELS MECH MISSILE LAUMCHERS BONG RACKS + MOISTS ANTIABLE PULONS MISSILE PYLONG MA GON POD SYSTEM	M56450 M71430 M714310 M73470 M73470 M73970 M72900 M72900 M72900 M72900 M656260 M66000 M66000 M73500 M73500 M73500 M73500 M73500 M73500 M73500 M73500 M73500 M73500 M73600	GAGACH GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GAGACC GBAAC GBAC GB	GACAC GACAC	GACA GBA GBA	FC FN W 1234547A9 A A A A A A A A A A A A A A A A A A
TACAN NAVICATIONAL SET AL TACAN NAVICATIONAL SET AL ATTITUDE REF SOME COMPTER SET AS ATTITUDE REF SOME COMPTER SET AS ALVICATIONAL COMPUTER SET AS FLICHT DIRECTOR GROUP AS FLICHT DIRECTOR SET AS ELINT SYSTEM BI VERTICAL FLICHT REF SET BE COMMUNICATION SYSTEM SELARING/DIS/MEADING CONTRL OBEARING/DIS/MEADING CONTRL OBEARING/DIS/MEADING CONTRL MISSILE LAUNCHERS WEAPON ADAPTERS BOMS RACKS ONISTS ARMAMENT POOS HISSILE PYLONE MK 4 GON POD SYSTEM OFFICE SELECTION CA CT TACAN ANTENNA SELECT SYITC MOGE SELECTION GONTROL BOMING OFFI CONTROL BOMING OFFI CONTROL BOMING HOSE BUTTON BOMING BOMING BOMING BUTTON	M96490 M71430 M71430 M717300 M71740 M71740 M71740 M72900 M6000 M6000 M6000 M6000 M6000 M6000 M71700	GACACR GACACC GA	GACAC GACAC	GACA GBA GBA	FC FN W 1234547AV
TAGAM MAYLGATIONAL SET AL TAGAM MAYLGATIONAL SET AZ ATITUDE REF SOMS COMPTR SE AZ ELECTRONIC ALTIMETER SET AS FLICHT DIRECTOR GROUP AS HISSILE CONTROL SYSTEM AP INTERROGATOR SET BY CATICAL FLICHT REF SET BY COMPUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY BA SYPASS BELLMOUTH SYSTEM BEARING/OIS/MEADING CONTRL WEAPON MOLDING + RELS MECH MISSILE LAUNCHERS WEAPON ADAPTERS BONS RACKS + MOISTS ARMAMENT PODS MISSILE PYLONE MK 4 GON POD SYSTEM	M96490 M71430 TH73410 M73400 M73400 M71740 M71740 M72900 M72900 M60200 M60200 M60200 M60200 M60200 M70200 M73200 M73200 M73200 M73400 M73500 M73500 M73600 M	GACACR GACACC GA	GACAC GACAC	GACA GBA GBA	FC FN V 1234547AV
99 AIR DATA COMPUTER SET AI TACAN NAVICATIONAL SET AZ ATTIUDE REF SOME COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLICHT CONTROL GROUP AS FLICHT DIRECTOR GROUP AS FLICHT DIRECTOR GROUP AS FLICHT DIRECTOR GROUP AS HISSILE CONTROL SYSTEM AS LINTERROGATOR SET BI VERTICAL FLICHT REF SET BE COMMUNICATION SYSTEM BY VARIABLE INLET DUCTRAMP SY BE SYPHES BELLMOUTH SYSTEM BEARING/DIS/MEADING CONTRL PLEAPON MOLDING + RELS MECH MISSILE LAUMCHARS BONG RACKS + MOISTS ARMAMENT PODS HISSILE PYLONG MK 4 GON POD SYSTEM BONG RACKS + MOISTS ARMAMENT PODS HISSILE PYLONG MK 4 GON POD SYSTEM BODG SELECTION CA TICAN ANTENNA SELECT SWITCH RADIO SET CONTROL BOHL MOSE SWITCH RADIO SET CONTROL BOHL MOSE SWITCH COMPUTER CONTROL COMPUTER CONTROL COMPASS SWSTEM CONTROLLER ATTITUDE INDICATOR	M56450 M71430 M714310 M73470 M73470 M73970 M73970 M73970 M73970 M73970 M6000 M6000 M6000 M6000 M73970 M7310	GAGACH GAGACC GACACC GA	GACAC GACAC	GACA GBA GBA	FC FN W 1234547AV
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TACAN NAVICATIONAL SET AI TACAN NAVICATIONAL SET AZ ATITUDE REF SOME COMPUTER SET AS ATITUDE REF SOME COMPUTER SET AS FLICHT DIRECTOR GROUP AS FLICHT DIRECTOR GROUP AS FLICHT DIRECTOR GROUP AS FLICHT DIRECTOR GROUP AS HISSILE CONTROL SYSTEM AT ELECTRONIC ALTIMETER SET AS ELINT SYSTEM BY LERICAL FLICHT REF SET BY COMMUNICATION SYSTEM SY VARIABLE INLET DUCTRAMP SY AS SYPASS BELLMOUTH SYSTEM BEARING/DIS/MEADINS CONTRL WEAPON HOLDING - RELS MECH MISSILE LAUNCHERS WEAPON ADAPTERS BOMS RACKS - MOISTS ARMAMENT POOS HISSILE PYLONE HK 4 GON POD SYSTEM	#96490 #71430 #71430 #71740 #73400 #71740 #71740 #71740 #7200 #65320 #65320 #6626 #6626 #73200 #75200 #75200 #7540 #7540	GACACR GACACC GA	GACAC GACAC	GACA GBA GBA	FC FN V 1234547AV
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TAGAM MAYIGATIONAL SET AI TAGAM MAYIGATIONAL SET AZ ATITUDE REF SOMO COMPTR SE AZ ELECTRONIC ALTIMETER SET AZ ELECTRONIC ALTIMETER SET AZ ELECTRONIC ALTIMETER SET BE COMPUNICATION SYSTEM AN ATTENDE SELLMOUTH SYSTEM AND ADAPTERS BELLMOUTH SYSTEM AND ADAPTERS BENEMA DOLLMOMERS WEAPON MOLDING A RELS MECH MISSILE LAUNCHERS WEAPON ADAPTERS BONG RACKS A HOISTS ARMAMENT PODS MISSILE PYLONE MK 4 GON POD SYSTEM ANDERS BELECTION CALANA ANTENNA SELECT SWITCH RADIO SET CONTROL CALANA COMP SHITCH RADIO SET CONTROL TAGAM NAY SET CONTROL COMPUTER CONTROL COMPUTER CONTROL COMPASS SYSTEM CONTROL ATITUDE INDICATOR AUTOMATIC FLT CWIL BYS PAN AUX ARMAMENT COTL PANEL MULTIPLE WEAPONS CNTL PANEL BONG CONTROL PANEL COMPASS SYSTEM CONTROL PANEL COMPASS SYSTEM CONTROL COMPASS COMPANY COMPAN	#96450 #71430 #71430 #71740 #73400 #71740 #71740 #71740 #7200 #65320 #66320 #66320 #66320 #75200 #75200 #75200 #7540 #75400 #754	GACACR GACACC GA	GACAC GACAC L HG GACAE	GACAC GACAC	FC FN V 1234547AV
TACAN NAVICATIONAL SET AT TACAN NAVICATIONAL SET AT ATTIONE REF SOMS COMPTR SE AS NAVICATIONAL COMPUTER SET AS TITUDE REF SOMS COMPTR SE AS NAVICATIONAL COMPUTER SET AS FLICHT DIRECTOR GROUP AS HISSILE CONTROL SYSTEM AS INTERROCATOR SET BE LIVE SYSTEM AS INTERROCATOR SET BY CERTICAL FLICHT REF SET BY COMMUNICATION SYSTEM AS VARIABLE INLET DUCTRAMP SY ANTIABLE INLET DUCTRAMP SY ENDON HOLDING - RELS MECH MISSILE LAUNCHERS WEAPON ADAPTERS BOMS RACKS - HOISTS ARMAHENT PODS MISSILE PYLONG MISSILE PYLONG MISSILE PYLONG MISSILE PYLONG CA COMPANY COMP SMITCH RADIO SET CONTROL BOHI MODE SMITCH RADIO SET CONTROL NAV SET CONTROL ATTITUDE INDICATOR AUX ARRAMENT COTT PANEL MULTIPLE WEAPONS CRIT PANEL MULTIPLE WEAPONS CRIT PANEL BONG CONTROL PANEL MISSILE CONTROL PANEL MISSILE CONTROL PANEL COMPASS SYSTEM CONTROL PANEL COMPANY CONDUCTOR PANEL COMPANY CONTROL PANEL CONTROL STECK ASSY	M56450 M71430 M71430 M73400 M73900 M72900 M72900 M72900 M65280 M65280 M65280 M65280 M65280 M75200 M7930 M79300 M79	GACACR GACACC GA	GACAC GACAC L HC GACAE	GACA GBA GBA	FC FN W 1234547AV A A A A A A A A A A A A A A A A A A
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TITLE	YUC	ALPHA	IMPUT	DEP FUNC	CO AL BENEITIVITY FC FM W 123456767
F3	M	BACAE	KAD		
74	M	BAGAE	KBA		
75		EAGAE	KP6		
74	Ħ	EAGAE	KBC		
#7	<u> </u>	SAGAE	KBO		
	=	EAGAE	KNE		
**	2	51616	KAŁ		
<u>/</u>		SAGAE	KAH		
61	B 174884		Ran		A
82 HULTIPLE WEAPONS RELAY	A 10 11 10 10 10 10 10 10 10 10 10 10 10				ī
83 NO 2 MISC RELAY PAREL	M42112 M7 48 00				
PA LEFT UTILITY PANEL					<u>.</u>
SS RIGHT UTILITY . CIR SH	H PHILITYSES	GAÇAED			:
86 NO 1 CIRCUIT BREAKER F	AMEL #42131	CACAEE			7
87 NO 2 CIRCUIT BREAKER F	WHEN HASTAS	GAÇAEF			•
SS AUX NO 2 MISSILE FIR F	L PHL474 78 4	BACAES			*
EP-WEAPONS DELIVERY	я	68	er 1	6	00000000
HA-INFORMATION DISPLAY	M	GBA	H	GB	00000000
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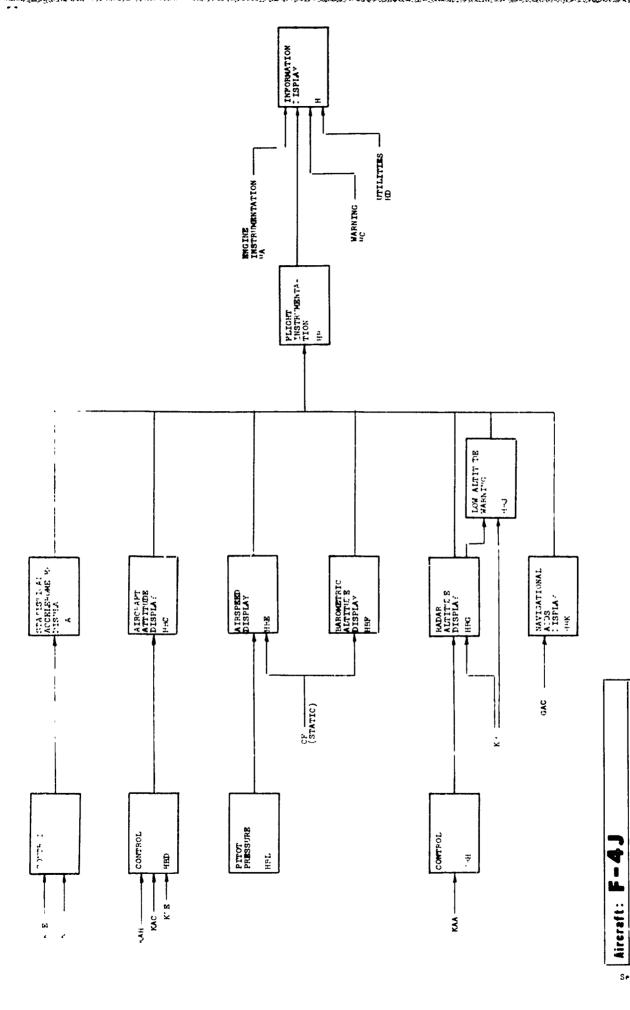
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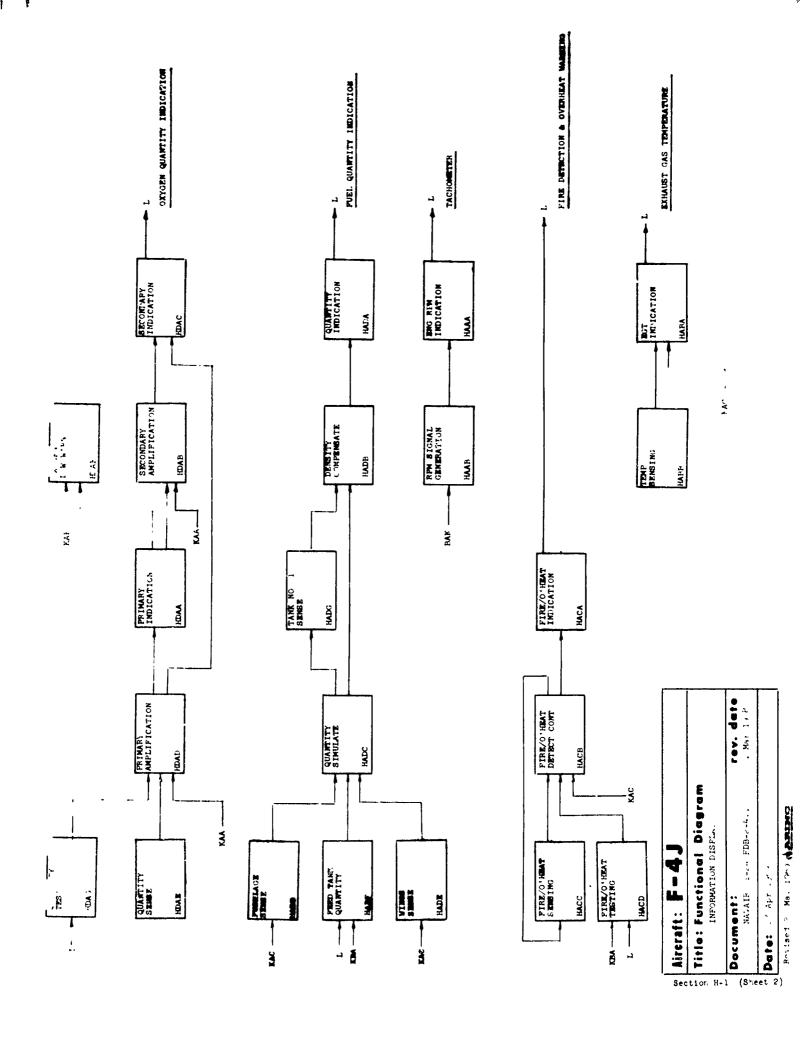
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Section H-1 (Sheet 1) Section H-1 (Sheet 2)

LAPTOMONIA DISPLAT SECTION



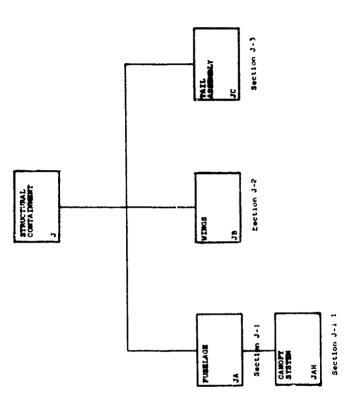
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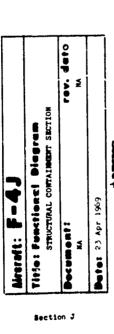


	TITLE IMPORMATION DISPLAY	we	ALPHA H H	MPIJT H4 H0	DEP FUNC L	CO AL MENETTIVITY FC FN W 123496787 AAAAAAAAA
	ENSINE INSTRUMENTATION		H H H4 H4	MDAA MDAF MAAA MABA MACA	w	*****
98	ENSINE RPH INDICATION ENGINE RPH INDICATION TACMOMETER INDICATOR TACMOMETER INDICATOR	R R R91411		MADA MADA MADA	MA	042222210 047772210 4
04	APH SIGNAL SEMERATION RPH SIGNAL CEMERATION TACHOMETER GEMERATOR TACHOMETER GEMERATOR	R R R91412 R91412	MILAS LHAAS MIAASA	FBAK	CHARR	******
04	EXHAUST GAS TEMP INDICATION	HP .	RHABA LHABA RHABA LHABA	RHABB LHABB KAC KAC	MÅ MÅ	049999900 049999900
07	TEMP INCICATOR TEMP INDICATOR TEMP SENSING TEMP SENSING	R91423 R91423	LHABAA RHABB LHABB		RMABA LMABA	A A AAAAAAA AAAAAAA
0+	THERMOCOUPLE THERMOCOUPLE FIRE/OVERNEAT INDICATION	R R91424 R91424		MACR	LBABC	049999900 049999900 A
11	FIRE/OVERMENT INDICATION L FIRE WARNING LIGHT 2 FIRE WARNING LIGHT L OVERMENT WARNING LIGHT	R R49112 R4V112 R4V122	LHAGA LHAGAA RHAGAA	HACR	NA	**********
	R OVERHEAT WARNING LIGHT DETECTOR CONTROL	R45128 R R		MACD KAC MACC	MACA	*******
17 18	CONTROL UNIT LM FIRE CONTROL UNIT RM FIRE CONTROL UNIT LM OVERHEAT CONTROL UNIT RM OVERHEAT	R49111 R49111 RJ9UIU RJ9UIU	MHACBA LMACBB MHACBB			A A A
	FIRE/DYERMENT SENSING L FIRE DETECTOR HARMESS R FIRE DETECTOR HARMESS L OVERMENT DETECTOR HARMES R OVERMENT DETECTOR HARMES		RHACCA LHACCB	HACR	HACS	4
25	FIRE/OVERMENT TESTING TEST SWITCH	R R R<#113	HACD HACD	KBA	HACH	44444444

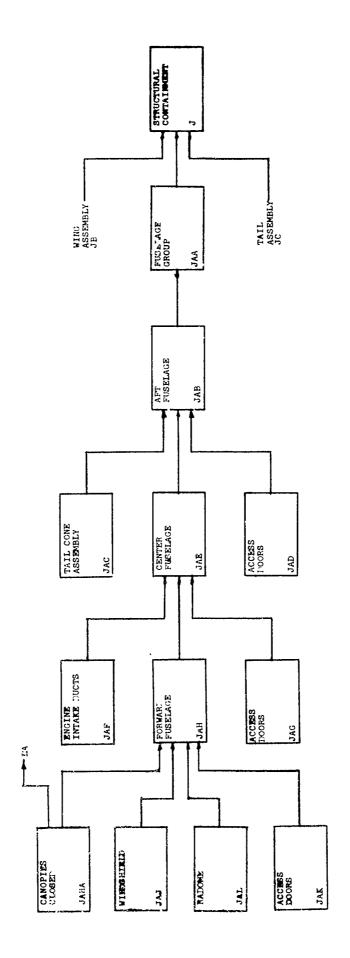
•••				DEP	CD A	. DENGITIVITY
TITLE	WUC	ALPHA	[NPUT	PUNC		W 123454789
FUEL DUANTITY INDICATION 26 FUEL BUANTITY INDICATOR DENSITY COMPENSATION	R R9184	4 нава 4 нава 1 нава	MADE	MA MADA		400226940
36 31 REFERENCE CONCENSOR BUANTITY SIMULATION	# #918*	• H4804	MADG			2
34	*	HADC HADC	MADE MADE	HADB OCAH		*****
39 FUEL QUANTITY SIMULATOR FUBELAGE TANKS QUANT SENS	E #3184		KAC	MADC		*
37 TANK NO 7 PUEL PROBE 38 TANK NO 4 PUEL PROBE 39 TANK NO 4 FUEL PROBE	R5184	HABOA HABOA				1
39 TANK NO 6 FUEL PROBE 48 TANK NO 6 FUEL PROBE 41 TANK NO 3 FUEL PROBE	M9184	MADOO				i
42 TANK NO 2 FUEL PROSE 43 TANK NO 1 UPPER FUEL PROSE	99184 85184	HADOF				1
44 TANK NO 1 REF CONDENSOR	R31847		KAC			2
46 R O/B FUEL PROBE 47 R INT FUEL PROBE	R\$184	L HADEA	-ac	HADC		3
48 R 1/8 FUEL PROBE	R5184	HADEC				2 2 2
SO L INT FUEL PROOF	R51841	MADEF				2 2
OFEED TANK QUANTITY INDICATED TANK CHECK SWITCH	Ř	HADF	KB4	HADE		*****
TANK NO 1 QUANTITY SENSING	851844 F R 851842	HADE	MADC	HADB		*
ST TANK NG I REF CONDENSOR PRIMARY LOX BUANTITY IND	R5184		MOAD	HOAB		*
	R	HOAA		HOAF		
ARPEATER LOX OUANTITY IND	R51851	HOAC	MOAR			GOAAAAASC
63 LOX GUANTITY INDICATOR PRIMARY AMPLIFICATION	751551		HOAD			4
69	į	MDAD MDAD MDAD	HOAE	HOAL		*****
66 QUANTITY AMPLIFIER REPEATER AMPLIFICATION	R4781F		KAA MDAA	MDAC		A
68 69 GUANTITY AMPLIFIER	R R4721E	MDAS	Kās	-0-0		*******
LOX BUANTITY SENSING	R R47817	MOAE MOAEA		4040		******
FOX FOR NAMENS	•	HDAF	AACH	×		002222300
TITLE 72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM TEST SWITCH FLICHT INSTRUMENTATION	MUC R R47213 R47110 R47110 R51850	ALPHA HOAF HOAFA HOAFB HOAFC HOAGA HOAGA HOAGA HOAGA	INPUT KAE L HBA HBC HBC	DEP FUNC HDAD	FC FN	\$EMSITIVITY w 123456789 1 1 1 1 1 1 1 1 1 1 1 1
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FEST SWITCH	R R47213 R4711• R4711•	HDAF HDAFA HDAFB HDAFC HDAG HB HB HB HB HB HB	KAE HBA HBC HRI HBK HRK HRG	HDAD	FC FN	1 1 1 1 1 1 1 1
72 73 LOX LOW WARNING LIGHT 74 HASTER CAUTION TEST RELAY 75 HASTER CAUTION TEST SWITCH LOX SWANTITY SYSTEM TEST SYSTEM TFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL	R 747213 747210 747210 R 751850 S 551112 S	HDAF HDAFA HDAFB HDAFC HDAG HDAGA HB HB HB HB	KAE MBA MBC	HDAD	FC FN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
72 73 LOX LOW WARNING LIGHT 74 HABTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM TEST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER	R47213 R47213 R47110 R47110 R R51850 S51117 S S S51117	HOAF HOAFA HOAFA HOAFA HOAFA HOAFA HAB HAB HAB HAB HAB HAB HAB HAB HAB HA	KAE HBA HBC HBF HBK HBF HBG HBJ HBB	FUNC HOAD H	FC FN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM TFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSOR SWITCH 07 NLG LIRIT SWITCH	R47213 R47110 R47110 R47110 R51850 S51112 S51142 S51142 S51144	HOAF A HO	KAE MBA MBC	FUNC HOAD H	FC FN	000111100
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 79 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL ACCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSOR SWITCH 07 NLG LIRIT SWITCH 08 ACTITUDE DISPLAY 09 40 AUDICATOR	R R47213 R47110 R47110 R47110 R51650 S51112 S S51142 S51140 S13143 S13143 S44641	HOAF A HO	KAE MBA MBC	FUNC HOAD H	FC FN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
72 73 LOX LOW WARNING LIGHT 74 HASTER CAUTION TEST RELAY 75 HASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FEST SWITCH FLICHT INSTRUMENTATION *STATISTICAL ACCEL DISPLAY CONTROL 33 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSON SWITCH 07 NLG LIRIT SWITCH 07 NLG LIRIT SWITCH 10 ATTITUDE DISPLAY 09 AGA INDICATOR 10 ATTITUDE DISPLAY 11 STANDER ATTITUDE INDICATOR 11 STANDER ATTITUDE INDICATOR	R-7213 R-7213 R-7110 R-7110 R-7110 R-71117 S-11117 S-111143 S-11143 S-113143 S-113143 S-113143 S-113143 S-113143 S-113143	HOAF HOAFA H	KAE MBA MBC MRH MBK MRG MBJ MBE KBE	FUNC HDAD H	FC FN	000111100 AAAAAAAA
72 73 LOX LOW MARNING LIGHT 74 HASTER CAUTION TEST RELAY 75 HASTER CAUTION TEST RELAY 75 HASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSOR SWITCH 07 NLG LIRIT SWITCH 08-ATTITUDE DISPLAY 09 AOA INDICATOR 10 ATTITUDE DISPLAY 10 ATTITUDE DISPLAY 11 STANOBY ATTITUDE INDICATOR 12 RENOTE ATTITUDE INDICATOR 12 RENOTE ATTITUDE INDICATOR CONTROL	# #47213 #47213 #47110 #47110 # #47110 # #51142 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	HOAF A HO	K & E L MB & C MB	FUNC HDAD H	FC FN	000111100 44444444444444444444444444444
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 79 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL ACCEL DISPLAY CONTROL 03 04 TRANSDUCER 09 POWER RELAY 06 RMC SCISSOR SWITCH 07 NLG LIRHT SWITCH 08-ATTITUDE DISPLAY 09 AOA INDICATOR 10 ATTITUDE DISPLAY 11 STANDSY ATTITUDE INDICATOR 12 REHOTE ATTITUDE INDICATOR 14 15 16 GY 10 CUT-OUT SWITCH	R R07213 R07110 R07110 R07110 R01000 R01117 S S S S S S S S S S S S S S S S S S	HOAF A HO	KAE L MBA MBC MBH MBC MBG MBG MBG MBG KBB KBB KBB MBG MBG KBB	FUNC HDAD H	FC FN	000111100 AAAAAAAA 0009999900
72 73 LOX LOW WARNING LIGHT 74 HASTER CAUTION TEST RELAY 75 HASTER CAUTION TEST RELAY 75 HASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 07 NLG LIRIT SWITCH 07 NLG LIRIT SWITCH 08-ATTITUDE DISPLAY 09 AOA INDICATOR 10 ATTITUDE DISPLAY 10 ATTITUDE TO INDICATOR 11 STANDBY ATTITUDE INDICATOR 12 REMOTE ATTITUDE INDICATOR CONTROL 14 15 16 CY 10 CUT-OUT SWITCH 17 EMLN POWER RELAY *ATRISTED DISPLAY	R 7213 R47213 R47214 R47214 R47214 R55-142 R55	HOAF HOAFA HOAFA HOAFA HOAFA HAB HAB HOBA HOBB HOBB HOBB HOBB HOBB	KAE L MBA MBC MBC MBC MBC MBC KBE KBB KBB KBB KBB KBB KBB KBB KBB KBB	FUNC HDAD H	FC FN	000111100 44444444
72 73 LOX LOW MARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMLG SCISSOR SWITCH 07 NLG LIRIT SWITCH 08 AND INDICATOR 10 ATTITUDE DISPLAY 10 ATTITUDE DISPLAY 11 STANDBY ATTITUDE INDICATOR 12 REMOTE ATTITUDE INDICATOR 14 15 16 CY 10 CUT-OUT SWITCH 17 EMLS POWER RELAY 10 20 TRUE AIRSPEED INDICATOR	R 7213 R7711	HOAF A HOAF A HOAF A HOAF A HOAF A HOA A H	KAE L MBA MBC MBC MBC MBC MBC KBE KBB KBB KBB KBB KBB KBB KBB KBB KBB	FUNC HOAD H HB HBA	FC FN	000111100 444444444 049595960
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST RELAY 78 MASTER CAUTION TEST RELAY 79 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM TEST SWITCH FLICHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CHMTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSOR SWITCH 07 NLG LIRIT SWITCH 08-ATTITUDE DISPLAY 09 ADA INDICATOR 10 ATTITUDE DISPLAY 11 TAMBER ATTITUDE INDICATOR 12 REMOTE ATTITUDE INDICATOR 12 REMOTE ATTITUDE INDICATOR 13 CONTROL 14 15 16 GY 10 CUT-OUT SWITCH 17 EMLN POWER RELAY **AIRSPEED DISPLAY 10 20 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR	R R47213 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R5111 R51	HOAF A HO	KAE MBAC MBC MBC MBC MBC MBC MBC KBE KBE KAC KAC KAC KAC KAC KAC KAC KA	FUNC HOAD H HB HBA	FC FN	000111100 AAAAAAAA 049999960
72 73 LOX LOW MARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLICHT INSTRUMENTATION *STATISTICAL ACCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMLG SCISSOR SWITCH 07 NLS LIRIT SWITCH 08-ATTITUDE DISPLAY 00 AOA INDICATOR 10 ATTITUDE DISPLAY 10 ATTITUDE DISPLAY 11 EMOTE ATTITUDE INDICATOR 12 REMOTE ATTITUDE INDICATOR 14 15 16 CY 10 CUT-OUT SWITCH 17 EMLR PCWER RELAY 10 20 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 22 A/S AND MACM NO, INDICATOR NAY AIDS DISPLAY 10 19 CONTROL 11 TO THE	R 747213 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R511142 R511142 R511144 R51111 C	HOAF A HO	KAE HBAC HBAC HBAC HBAC HBAC HBAC HBAC KAC KAC KAC KAC KAC KAC KAC	FUNC HOAD H HB HBA	FC FN	000111100 AAAAAAAA 049999960
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLICHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSON SWITCH 07 MLS LIRIT SWITCH 07 MLS LIRIT SWITCH 08-ATTITUDE DISPLAY 09 AOA INDICATOR 10 ATTITUDE DISPLAY 10 ATTITUDE DISPLAY 12 REMOTE ATTITUDE INDICATOR 13 STAMDBY ATTITUDE INDICATOR 14 TO CUT-OUT SWITCH 17 EMLA POWER RELAY *AIRSPEED DISPLAY 10 10 11 THUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 22 A/S AND MACH NO, INDICATOR NAY AIDS DISPLAY 23 STANDBY COMPASS 24 CLOCK 25 TCLOCK	R R47213 R4711* R4711* R4711* R4711* R4711* R47112* S511142* S511142* S5111443* S5111445* S5111* S5111* S51114* S5111* S51114* S511114* S51114* S5	HOAF A HO	KAE HBAC HBAC HBAC HBAC HBAC HBAC HBAC KAC KAC KAC KAC KAC KAC KAC	FUNC HDAD H HB HBA	FC FN	000111100 AAAAAAAA 049595960
72 73 LOX LOW MARNING LIGHT 74 MASTER CAUTION TEST RELAY 75 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 03 04 TRANSDUCER 05 POWER RELAY 06 RMC SCISSOR SWITCH 07 NLG LIRIT SWITCH 08-ATTITUDE DISPLAY 09 AOA INDICATOR 11 STANDBY ATTITUDE INDICATOR 12 RENOTE ATTITUDE INDICATOR 12 THOSE ATTITUDE INDICATOR 13 TAMP FOWER RELAY **AIRSPEED DISPLAY 19 20 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 21 TRUE AIRSPEED INDICATOR 22 AFS AND MACH NO, INDICATOR 33 A/S AND MACH NO, INDICATOR NAY AIDS DISPLAY 25 STANDBY COMPASS 26 CLOCK 28 BONI 29 HORIZ SITUATION INDICATOR 27 GLOCK 28 BONI 29 HORIZ SITUATION INDICATOR	R R47213 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R51112 R51114 R5	HOAF A HO	KAE L MBACHMBCHMBCHMBCHMBCHMBCHMBCHMBCHMBCHMBCCKBB	FUNC HDAD H HB HBA HBC	FC FN	000111100 AAAAAAAA 049595960
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 79 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FEST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL AFCEL DISPLAY CONTROL 33 4 TRANSDUCER 9 POWER RELAY 90 RMC SCISSOR SWITCH 08 PATTITUDE DISPLAY 11 STANDBY ATTITUDE INDICATOR 12 ATTITUDE DISPLAY 14 15 6 CY 10 CUT-OUT SWITCH 17 EMLS POWER RELAY *AIRSPEED INSICATOR 27 A/S AND MACH NO, INDICATOR 28 A/S AND MACH NO, INDICATOR 27 A/S AND MACH NO, INDICATOR 27 A/S AND MACH NO, INDICATOR 28 STANDBY COMPASS 24 CLOCK 27 CLOCK 28 BONI 29 MORIZ SITUATION INDICATOR 310 SAIROMETPIC ALTITUDE DISPLAY 21 ALTHERER	R R47213 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R5111 R51	HOAF A HO	KAE L MBA MBC MBC MBC MBC MBC KBB KBB KBB KBB KBB KBB KBB KBB KBB K	FUNC HDAD H HB HBA HBC	FC FN	000111100 AAAAAAAA 049595960
72 73 LOX LOW WARNING LIGHT 74 MASTER CAUTION TEST RELAY 79 MASTER CAUTION TEST SWITCH LOX GUANTITY SYSTEM TEST SYSTEM FFST SWITCH FLIGHT INSTRUMENTATION *STATISTICAL ACCEL DISPLAY CONTROL 03 04 TRANSDUCER 09 POWER RELAY 06 RMC SCISSOR SWITCH 07 MLG LIRIT SWITCH 08-ATTITUDE DISPLAY 08 ONLOICATOR 10 ATTITUDE DISPLAY 10 THE AIRSPEED INDICATOR 11 STANDSY ATTITUDE INDICATOR 12 RENOTE ATTITUDE INDICATOR 14 15 16 CY 10 CUT-OUT SWITCH 17 EMLA POWER RELAY 0-AIRSPEED DISPLAY 10 11 TRUE AIRSPEED INDICATOR 12 AFS AND MACH NO, INDICATOR 13 AFS AND MACH NO, INDICATOR 14 15 16 CLOCK 17 CLOCK 18 BOMI 19 MORIZ SITUATION INDICATOR 19 MORIZ SITUATION INDICATOR 11 ALTIMETER 13 ALTIMETER 13 AVERTICAL VELOCITY INDICATOR	R R47213 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R4711 R5111 R51	HOAF A HO	KAE L MBA MBC MBF MBC MBB KBE KBB KBC KBB KAC	FUNC HDAD H HB HBA HBC	FC FN	000111100 AAAAAAAA 049999900

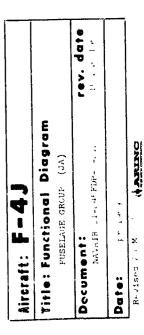
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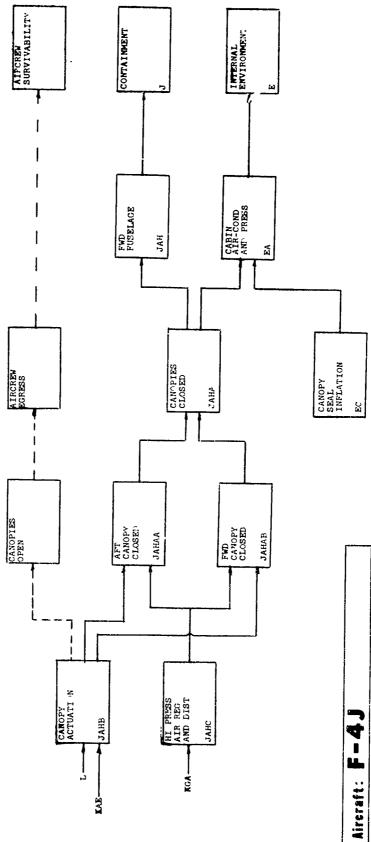




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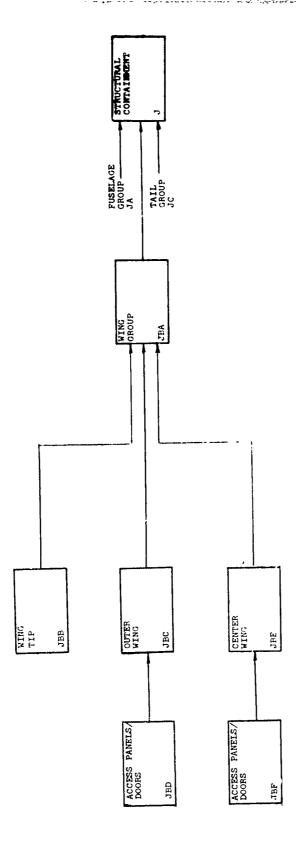




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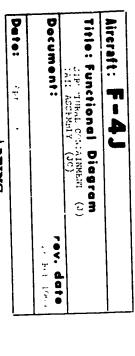
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Section J , 1



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Activities of the control of the con

	TITLE	WUE	ALPHA	IMPUT	DEP	CD AL SENSITIVITY FC FN W 123454789
01	FUSELACE BROUP	v	AAL	JAB		
	AFT FUGELAGE	Ÿ	JAB	JAC	JAA	*****
01		v	JAB	JAD	JAA	*****
04		Ý	JAB	JAE		
	TAIL COME ABBEMALY	Ý	JAC	V-L	JAS	******
	ACCESS DOORS	٧	QÃĽ		JAB	AAAAAAA 01111110
	CENTER FUBELAGE	٧	JAE	JAF	JAB	4444444
00		٧	JAE	JAC		******
0		٧	JAE	JAH		
	ENGINE INTAKE DUCTS	٧	JAF		JAE	4444444
	ACCESS DOORS	٧	JAG		JAE	011111110
	FORMARD FUSELAGE	٧	JAH	JAJ	JAE	4444444
12		٧	HAL	JAK		
12		٧	JAH	JAL		
	HINGELLE LACEURY	<u>y</u>	JAH	JAHA		
	WINDSHIELD ASSEMBLY	٧	JAJ		JAH	4444444
	SIDE PANELS	V11184	ALAL DO			A
	SIDE PANELS	V11114	SORJAJE			A
	ACCESS DOORS	V11114	SOLJAJC			A
18	GROUP ONE	V	JAK		HAL	011111110
••	GROUP TWO	V11120				A
	RADOME	V11230				A
	CANOPIES CLOSED	V	JAL		JOH	022222220
		v	AHAL Ahal	JAHAA	JAH	037777730
	AFT CANOPY CLOSED	V	JAHAA	JAHAB	EA	
54		ĭ	JAMAA	JAHC	AHAL	****
55	LATCH	V123A2		JAHB		_
	RELEASE	V123A3				
57	CABLE MECHANISM	V12344				•
56	BELLCRANK	V123A5				•
	BUNGEE/SPRING	V12344				•
40	LINK/ARH	V12347				7
	FWD CANOPY CLOSED	Ý	JAHAB	JAHC	JAHA	* ******
42		V	HAHAL	BHAL	OH	*****
	LATCH	V12342				A
	RELEASE	V123A3				î
45	CABLE HECHANISM	V12344	JAHABC			7
**	BELLGRANK	V12345	JAMABD			7

	TITLE	WUC	ALPHA	INPUT	DEP FUNC	CD AL	SENSITIVITY W 123454789
67	BUNGEE/SPRING	V12346	JAHABE				
48	_INK/ARH	V12347					A
•••	HI PRESS AIR REG AND DIST	A153#1	JAHABF				A
	WE ANCHO MIN MED WAD DISI		JAHC	KGA	AAHAL		****
74	BESTATESON WALKE	V	JAHC		JAHAB		AAAAAAAA
- ::	RESTRICTOR VALVE	V12311	JAHCA				A
4	SELECTOR VALVE	V12312	JAHCB				A
- (3	RELIEF VALVE	V12313	JAHCC				Ā
′:	MANIFULD	V12314	JAHCD				Ã
75	RETRACT CYLINDER	V12315	JAHCE				7
7.	PANEL RELEASE CYLINDER	V12316	JAHCE				7
77	STICK RELEASE CYLINDER	V12317	JAHCG				7
78	PRESSURE OPERATING VALVE	V12318	JAHCH				•
79	SHUTTLE VALVE	V1231A	LOHAL				•
80	DOUBLE CHECK VALVE	V1231C	JAHCK				•
81	REGULATOR	V12310	JAHCL				<u>*</u>
_	CANDRY ACTUATION	v	JAHB				A
		Ÿ	JAHB	٠	JAHAA		
	WING GROUP	v		KAE	JAHAB		****
	WING TIP	Ÿ	J84	JBB	J		AAAAAAAA
	OUTER WING	Ÿ	JBB	JBC	JBA		055555550
04	OUTER MINE	š	JBC	JBD	JBA		
4	ACCESS PANELS/DOORS		JAC	JBE			
	CENTER MANELS/DOORS	V	JBÖ		JBC		011111110
	CENTE" WING	Ý	JBE	JBF	JBA		***
	ACCESS PANELS/DOORS	٧	JB#		JBE		01111110
01.	TALL GROUP	X	JCA	JCH	J		****
	STABILATOR	X	JCB		JCA		44444444
	VERTICAL FIN	×	ĴCC	JCD	JCA		4444444
	RUDDER	X	JCD	~ - -	JCC		AAAAAAA
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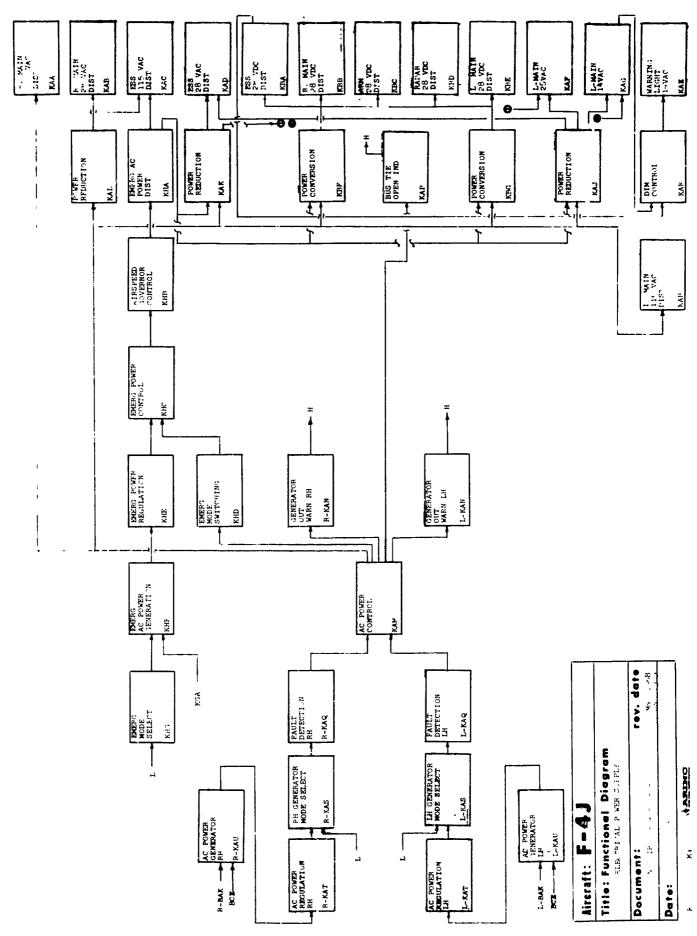
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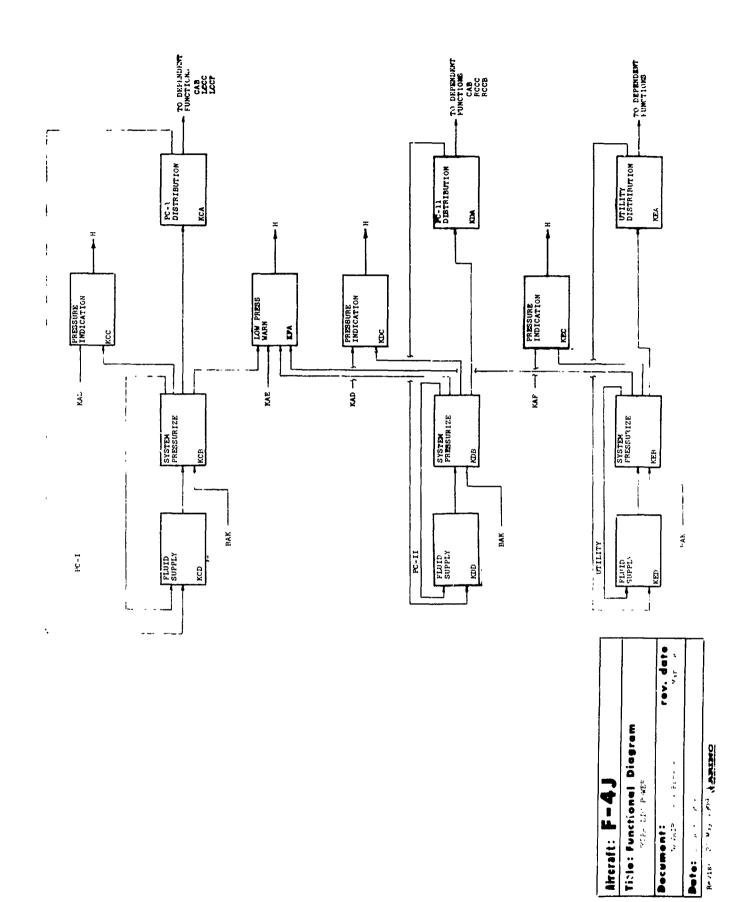
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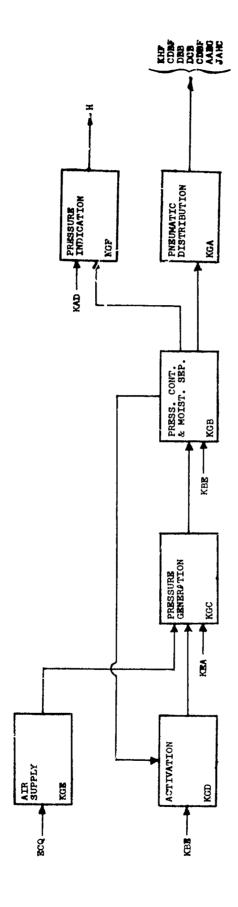
Section K

Section E-3





Section R-



Aircraft: F-4J
Title: Functional Diagram
HI-PRESSURE PNEUMAIIC SYSTEM

rev. date

Date: .7 Apr 1404 Revised 40 May 1909 Ammer

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Section K-3

TITLE AC POWER CONTROL OF AC POWER CONTROL BOX OF GENERATOR CONTROL PANEL RIGHT HAIN 115 VAC DISTRIB	MUS Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	ALPMA KAM KAM KAM KAM KAM KAM KAM KAM KAM K	Kan	DEP FUNC KAAC KAAC KAAJPKAA KAAJPKAA KAAL HADABA KAAN HADABA EAAAB CFBPPD EAAAB CFBPPD BBDC CCCC CCCCC CCCCCC CCCCCCCCCCCC	CO AL BENEITIVITY FC PN W 123484789 AAAAAAAAA AAAAAAAAA AAAAAAAAAAAAAAAA
AC BUS RIGHT MAIN ZEVAC DISTRIB	Y 44212H Y Y	443 443 443 443 443 443	MAL	FBH EEE GACAE	AAAAAAA AAAAAAA AAAAAAA
AC BUS ESSENTIAL 115VAC DISTRIB ESSENTIAL 115VAC DISTRIB AC BUS ESSENTIAL 28VAC DISTRIB	Y 44212H Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KAB KAC KAC KAC KAC KAC KAC KAC KAC KAC KAC		CBX PRAEC LRAEC GACAE HABA GABC EEE HADD HADE HBD BBB HACB	AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAAAA
TITLE	WUC	ALPHA	INFUT	DEP FUNC	CD AL SENSITIVITY FC FN W 123456789
AL BUS ESSENTIAL 28VDC DISTRIB DC BUS RIGHT MAIN 28VDC DISTRIB	A A A A A A A A A A A A A A A A A A A	KAD	KBF KBG KBG	GBECC LEE GBECC LE GBECC LEE GBECC L	

TITLE	VUC	ALPHA	IMPUT	DEP FUNC	CB AL 1 -81719(7) FC PH W 123496789
	Y	K 86 K 86		GAAD	*****
	Ÿ	K96 K96		106 106	111111
	Y Y	K90		HOJA	
	¥	K06 X00		ROEF	
	٧	K98 K98		COSD	
DC BUS ARMAMENT 28VDC DISTRIBUTIO	742138 MY	KBĞA KBÇ	KBF	GACAE	A A A A A A A A A A
DC BUS	Y Y42138	K O ÇA	KBG		4
RADAR 28VDC DISTRIBUTION	¥	KĐÔ K Đ Ô	Kaf Kbl	K B C CVCVE	AAAAAAA
DC BUS LEFT MAIN 28VDC DISTRIB	Y4213#	KBE	KBG	KBG	A
	Y	KBE	KRF	H60 H68	*****
	Y	KBE KBE		GACSE 78H	*****
	¥	KBE KBE		FCC BBC	*****
	Ť	KRE		8688	
	Ÿ	KBE KBE KBE		RGBA KGB KGD	
	Ÿ	KBE KBE		AACE ABBC	
	Ÿ	KBE KBE		SGAB CAE	******
DC BUS LEFT MAIN 28VAC DISTRIB	ÿ42138	KBEA KAF	Kaj	FBH	********
AC BUS	Y Y4212h	KAF KAFA	KAK	• • •	4
LEFT HAIN 14VAG DISTRIB	Y	KAG	KAJ Kak	EEE	
AC BUS WARNING 14/28VAC DISTRIB	/4212H	KAGA Ka e	KAR	AACE	A AAAAAAA
	Y	KAE		ROCH	
	Y	KAE.		RBEE	*******
	Ÿ	KAE Kae		LREE	******
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TITLE	WUC	ALPHA	INPUT	DEP FUNC	CD AL SENSITIVITY FC FN W 123456789
TITLE	Y	KAE	!NPUT	FUNC	FC FN W 123456789
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AC BUS	* * * * * * * * * * * * * * * * * * * *	KAEE KAEE KAEE KAEE KAEE KAEE KAEE KAEE		FUNC LBEB KFA BBP BBR CFPPD EBPC GACAE FAG HDAFB JAHB	FC FN W 123436789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL	A A A A A A A A A A A A A A A A A A A	KAE KAE KAE KAE KAE KAE KAE KAE KAE	INPUT KRA KAG	FUNC LBEB KFAP BBR BGRC ETPD EGACAE EEE FAK PCGAF	FC FN W 123458789 AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAA
AC BUS	Y Y Y Y Y Y Y Y Y Y Y Y Y	KAEE KAEE KAEE KAEE KAEE KAEE KAEE KAEE	XBA	FUNC LBEB KFA BBP BBR CFPPD EBPC GACAE FAG HDAFB JAHB	FC FN W 123436789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC SUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KAEE KAEE KAEE KAEE KAEE KAEE KAEE KAEE	MBA Mag	FUNC LEEB BERK COD BERK COD FUNC CERC FUNC CER	FC FN W 123436789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC SUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KAEE KAEE KAEE KAEE KAEE KAEE KAEE KAEE	MBA Mag	FUND BAPR CODE E SERVICE SERVICE SE	FC FN W 123458789 AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAA
AC SUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KAAEEEKKAAEEKAAEKAAEKKAAEEKKAAEEKKAAEEKKAAEEKKAAEEKKAAEEKKAAEEKKAAEEKKAAAEKKAAEKKAAAAEKKAAAAEKKAAAAEKKAAAAEKKAAAAAA	MBA Mag	FUND BAPR CODCAE KBBBBCPDCAE CODCAE KBBBCPDCAE CODCAE KBBBCPDCAE CODCAE KBCAAAAA HEEAAAABCA HEEAAAABCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	FC FN W 123458789 AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAA
AC SUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	K K K K K K K K K K K K K K K K K K K	MBA Mag	FUNC LSEAPBERK CDEEK GABBERK CDEEK GABBERK CDEEK GABBERK GABBER GABBERK GABBERK GABBERK GABBER	FC FN W 123458789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC SUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL	* * * * * * * * * * * * * * * * * * *	K K K K K K K K K K K K K K K K K K K	MBA Mag	FUNC BEFAPRESSER CODE BEST BEST CODE FEST CODE FEST CODE FAA BEFAA BE FFAA BEST FFAA B	FC FN W 123458789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB	444115 444115 444115	KAAAAAAAAAHHHHHHHHHHHHHHHHHHHHHHHHHHHH	MBA Mag	FUND BAPRKEDPCAKER BBBBCFBCEKGFB E DEMGDBCAAAAAABCBC	FC FN W 123436789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC SUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL	4 4 4 2 1 2 H	K K K K K K K K K K K K K K K K K K K	MBA Mag Mam Mam	F L KBBBBBCFPBCEK GFB E DEMGDBCACBCFCC A SEAAAAAAACBCFCC A SEAAAAAAAAAA B ARRA B ARRA B ARRA B B ARRA	FC FN W 123436789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	K KAAEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	KBA Kag Kam	F L KBBBBBFEBGEFFHJ K HEFFFFFFGBBAAA BBBCFBGEFFHJ K HEFFFFFFFGBBAAA BBBCAABAA BBBCABAAA BBBCABAAAAAAAA	FC FN W 1234367878 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB AC BUS AC POWER CONVERSION	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	K K K K K K K K K K K K K K K K K K K	MBA Mag Mam Mam	FUND BAPR CODE E GAER CODE E CARRAL BELLE COMBON CARRAL BELL COMBON CARRA CARRAL BELL COMBON CARRA CARRA CARRAL BELL COMBON CARRA CARR	FC FN W 123458789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	KBA KAG KAM KAM KAM	F B APR CODE L KBBBBCFBCEKCDA A BELALALALACACR ABCDE A B B B B C F B C C C C C C C C C C C C C	FC FN W 1234367878 AAAAAAAAA AAAAAAAAA AAAAAAAAAAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB AC BUS AC POWER CONVERSION TRANSFORMER RECTIVIER	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	MBA Mac Mam Mam Mam	F L KBBBBCPPCAEK GFB L KBBBBCPPCAEK GFB L KBBBBCPPCAEK GFB L KBBBCPPCAEK GFB L KKBBCPCAH A BEEALALALALABCAER ABCDE	FC FN W 1234367878 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB AC BUS AC POWER CONVERSION TRANSFORMER RECTIVIER AC POWER CONVERSION	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	KBA KAG KAM KAM KAM	F L KBBBBBCFBGEKGFM J K HEFFFFFFFGBBBBAA BBBBAA BBBBAA BBBBAA BBBBBAA BBBBBAA BBBBBAA BBBBBB	FC FN W 123458789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
AC BUS LIGHT DIMING CONTROL LIGHT CONTROL PANEL LEFT AMIN 115VAC DISTRIB AC BUS AC POWER CONVERSION TRANSFORMER RECTIVIER	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	KBA KAG KAM KAM KAM	F L KBBBBCEGEFFHJ K HEFFFFFFGBBAAA BBBBBCCBAEKGAH E DEHGDBCACBCAA BBBBBBBCACBAA BBBBBBBBCACBCACBC	FC FN W 1234367878 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA

	TITLE	₩UC	ALPHA	INPLT	nep Func	CD AL SEMBITIVITY FC FM U 173436789
	ZOVAL AL TO THEMS! COMER	742176	SAKA			
	AC POWER RETUCTION	7	<4J	K41	≪aD	******
		Ť	* 4.J	KHA	* AC	4444444
	28VAC ALTO THANSFORMER	Y42120	ALAR		- • •	*******
64	BUE TIE UPEN INDICATION BUE TIE UPEN LIGHT	Y4212+	napa napa	« 3	••	011111110
	R GENERATOR JUT WARNING	٧	MKAN	KA 1	₩	011111110
••	R GEMERATOR WARNING LIGHT LIGHT OUT WARNING	Y4212N	RKANA LKAN	« 4 ·		1 611111116
• 8	L GEMERATOR HARMING LIGHT REFERENCE FAULT DETECTION	_~4212H	LKANA PK40			1
	GENERATOR CONTROL PANEL	Y42127	AAMS	dKT.	• **	* *******
	L GENERATOR FAULT DETECTION GENERATOR CONTRO. PANEL	NY 44 212 7	LKA G Ramb	FKT.	R.V.	
	REPERTOR CONTROL PANEL	Y	RKAS	RKAT	BRTG	* ******
	PILOT GENERATOR ONT PANEL	¥ ¥42122	* 484	L		
	L GENERATOR P DE SELECT	Y	LKAS	LKAT	CEPJ	******
	PILOT GENERATOR CONT PANEL	Y42122	L×4 8 ×4 5 4	L		A
	R GEN POWER REGULATION R VOLTAGE RIG SUPERV PANEL	Y Y43134	RKATA RKATA	RKAL	RKAS	*****
	R STATIC EXCITER REGULATOR	Y42125	RKATB			.
	L GEN POWER REGULATION L VOLTAGE REG SUPERV PANEL	Y Y4212+	LKAT LKATA	LKA.,	LKAS	******
	L STATIC EXCITER REGULATOR	Y4212+	LKATB	_	_	Ā
	R AC POWER CENERATION	*	RKAU Rkau	HHAA BC:	MKAT	44444444
	RH CONSTANT_SPEED DRIVE	Y42121 Y42210	RKAUA			
	L AC POWER GENERATION	٧	EKAUA LKAU	LMAN	LKAT	4444444
	LH GENERATOR	Y42121	LKAUA Lkau	B CŁ		A
	LH CONSTANT SPEED DRIVE	Y42210	LKAUS			
	SEMERG AC POWER DISTRIBUTION	44	КИД	КНВ	K V K K V C	
		Y	KHA		KBF	4444444
		Ÿ	KH <u>A</u> KH A		KAJ	*****
•5	AIRSPEED GOVERNOR CONTROL AIRSPEED SWITCH	Y Y42143	К НВ А	KHC	KHA	AAAAAAA
	EMERGENCY POWER CONTROL	A	KHC	KHŁ	KHA	* ******
75	GENERATOR LOAD/FREE CONTROL	Y .Y42144	KHCA	KHD		.
• 7	ESSENTIAL LINE CONTROL EMERGENCY MOUE STITCHING	Y42145	XHCB			A
9*	EMERGENCY GEN CONTACTOR	Y42146	KHDA	Kam	X+C	*****
	TITLE	√uc	ALPHA	INPUT	DEP FUNC	CD AL SENSITIVITY FC Ft W 173426789
41	EMERG POWER REGULATION	٧	KHE	INPUT KHE		FC FN W 173436789
			KHEA KHEA	KHF KHU	FUNC	FC FN W 173436789
43	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GENERATION EMERGENCY GENERATOR	Y Y42142 Y Y42141	KHEA KHEA KHF KHF KHFA	KHF	FUNC	FC FN W 173436789 AAAAAAAA
43 44 45	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE	Y Y42142 Y	KHEA KHEA KHF KHF KHFA	KHF KHU	FUNC	FC FN W 173456789 AAAAAAAAA A
43 44 45 46 47	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER GEMERATION EMERGENCY GENERATION EMERGENCY GENERATIO	Y Y42142 Y Y42141 Y453270 Y45321 Y45322	KHE KHEA KHF KHFA KHFA OD KHFA KHFC KHFD	KHF KHU	FUNC	FC FN W 173456789 AAAAAAAAA A
43 44 45 46 47 48	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER CEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER LM RAT DOOR CYLINDER M RAT ACTUATOR CYLINDER M RAT ACTUATOR CYLINDER M	Y Y42142 Y Y42141 Y453270 Y45321 Y45322 Y45322 Y45323	KHEA KHEA KHF KHFA KHFA KHFC KHFD KHFF KHFF	KHF KHU	FUNC	FC FN W 173456789 AAAAAAAAA A
43 44 45 46 47 48	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER CEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEGUENCE VALVE RAT DOOR CYLINDER HM RAT ACTUATOR CYLINDER RM RAT ACTUATOR RAT ACTUATOR	Y Y42142 Y Y42141 Y453270 Y45321 Y45322 Y45322 Y45323 Y45323	KHEA KHEA KHFA KHFA KHFA KHFC KHFC KHFC KHFC	KHF KHU	FUNC	FC FN W 173456789 AAAAAAAAA A
43 44 45 46 47 48 49 80 81	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER CEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER HH RAT DOOR CYLINDER HH RAT ACTUATOR CYLINDER AT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY	Y Y42142 Y Y42141 Y453270 Y45321 Y45322 Y45322 Y45323	KHEA KHEA KHEA KHEA CHEA KHEC KHEC KHEC KHEC KHEC KHEC KHEC KHEC	KHF KHU	FUNC	FC Fr. w 173456789 AAAAAAAAA AAAAAAAAAA AA A A A A
43 44 45 46 47 48 49 80 81 82 R4	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER LH RAT ACTUATOR CYLINDER HAT ACTUATOR CYLINDER POWER UNIT STRUT SMIVEL ASSEMBLY EMERGENCY HODE SELECT HANUAL OPFRATING VALVE	Y 442142 Y 442141 Y 4453270 Y 45322 Y 45322 Y 45322 Y 45325 Y 45325 Y 453273 Y 453273 Y 453273 Y 453273	KHEE A KHEE A KHEE A KHEE A KHEED KHEED KHEED KHEED KHEE KHEE KHEE	KHF KHU	FUNC	FC Fr. w 1734-54789 AAAAAAAAA A AAAAAAAAA A A A A A A A
43 44 45 46 47 48 49 80 81 82 85	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER LH RAT DOOR CYLINDER RH RAT ACTUATOR CYLINDER POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HADLE RELEASE HECKANISH	Y 42142 Y 42141 Y 4453270 Y 45322 Y 45322 Y 45323 Y 45323 Y 45323 Y 45320 Y 45321 Y 45311 Y 45311	HEE A KHIFF AND KHIFF B KHIFF C KHIF	KHF KHU	FUNC	FC Fr. w 173456789 AAAAAAAAA AAAAAAAAA A A A A A
43 44 45 47 48 47 48 49 81 82 85 87	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER CEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN RM RAT ACTUATOR CYLINDEN RM RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HADLE RELEASE HECMANISH EXTENSION HECMANISM	Y 442142 Y 4453217 Y 45322 Y 45312 Y 4	HEEA KHIFF AN KHIFF AN KHIFF BO KHIFF B	KMF KMG KGA	FUNC KHE KHE	FC Fr. w 173456789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
43 44 45 47 48 47 48 49 81 82 85 87	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER LH RAT DOOR CYLINDER RH RAT ACTUATOR CYLINDER POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HADLE RELEASE HECKANISH	Y	KHEA KHEA KHF KHFA IO KHFC KHFC KHFC KHFC KHFC KHFC KHFC KHFC	KHF KHU	FUNC KHC KHE KHE KGD CAR	FC Fr. w 1734-54749 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
45 45 46 47 48 80 81 82 85 86 87	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR YURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER LM RAT DOOR CYLINDER RM RAT ACTUATOR CYLINDEH RAT ACTUATOR CYLINDEH POWER UNIT STRUT SMIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HADLE EXTENSION MECMANISM EXTENSION MECMANISM POWER COUTHOL I DISTRIBUTE	Y	KHEA KHEA KHEA KHEA KHEA KHEA KHEA KHEA	KMF KMG KGA	FUNC KHC KHE KHE KCD CAR LCGC	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
43 44 45 46 47 48 80 81 82 85 87	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER CEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER HM RAT DOOR CYLINDER HM RAT ACTUATOR CYLINDER RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OFFRATING VALVE RELEASE MECMANISH EXTENSION HECMANISH POWER COUTHOL I DISTRIBUTE	Y	KHE A KHF KHF KHF KHF KHF CH	KMF KMG KGA	FUNC KHC KHE KHE KGD CAR	FC Fr. w 1734-56749 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN RH RAT DOOR CYLINDEN RH RAT ACTUATOR CYLINDEN EMERGENCY HODE SELECT HANNAL OPFRATING VALVE REELEASE HADLE RELEASE HECMANISH EXTENSION RECMANISH POWER COUTHOL I DISTRIBUTE MANIFOLD FILTER, STABILATOR FILTER, SPOILER + AILERON LM	Y	KHE A KHF A KHF KHFA KHFA KHFA KHFA KHFA KH	KMF KMG KGA	FUNC KHC KHE KHE KCD CAR LCGC	FC Fr. w 1734-54749 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
43445 4546 47546 4768 4768 4768 4768 4767	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN EM RAT ACTUATOR CYLINDEN RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HADLE RELEASE HADLE RELEASE HECMANISH EXTENSION HECMANISH POWER COUTROL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, STOTLER + AILERON LM MANIFOLD CHECK VALVE HANIFOLD CHECK VALVE HANIFOLD CHECK VALVE	Y	KHE A KHF KHF KHF KHF A KHF KHF A KA A KA	KMF KMG KGA	FUNC KHC KHE KHE KCD CAR LCGC	FC Fr. w 1734-5789 AAAAAAAAA A AAAAAAAAA A AAAAAAAAA A AAAAAA
43445 4546 47546 4768 4768 4768 4768 4767	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN RH RAT DOOR CYLINDEN RH RAT ACTUATOR CYLINDEN EMERGENCY HODE SELECT HANNAL OPFRATING VALVE REELEASE HADLE RELEASE HECMANISH EXTENSION RECMANISH POWER COUTHOL I DISTRIBUTE MANIFOLD FILTER, STABILATOR FILTER, SPOILER + AILERON LM	Y	HE A KHF A K	KMF KMU KGa L KFH	FUNC KHE KHE KGD CAR LCCCR	FC Fr. w 1734-567-89 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
43445 4546 47546 4768 4768 4768 4768 4767	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN EM RAT ACTUATOR CYLINDEN RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HADLE RELEASE HADLE RELEASE HECMANISH EXTENSION HECMANISH POWER COUTROL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, STOTLER + AILERON LM MANIFOLD CHECK VALVE HANIFOLD CHECK VALVE HANIFOLD CHECK VALVE	Y	KHE A KHF KHF A KHF C KF C K	KMF KMU KGA	FUNC KHC KHE KHE KGD CAR LCCC	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
344547489012 4567 COCOS	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER HR RAT ACTUATOR CYLINDER ATA ACTUATOR POWER UNIT STRUT SMIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HECHANISH EXTENSION HECMANISH EXTENSION HECMANISH POWER COUTROL I DISTRIBUTE MANIFOLD FILTER, STABILATOR FILTER, STABILATOR FILTER, STABILATOR FILTER, STABILATOR SYSTEM PRESSURIZATION	Y	HE A HE A KHF A HE A	KMF KMU KGa L KFH	FUNC KHC KHE KHE KCD CAR LCCCR KCG	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA
3445447 45447 4547 4547 4547 123	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE RAT DOOR CYLINDER HA RAT DOOR CYLINDER RH RAT ACTUATOR POWER UNIT STRUT SMIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HECHANISH EXTENSION HECMANISH EXTENSION HECMANISH EXTENSION HECMANISH EXTENSION HECMANISH FILTER, STABILATUR FILTER, STABILA	Y	HE A KHF KHF KHFE KHFE KHFE KHFE KHFE KHFE	KMF KMU KGa L KFH	FUNC KHE KHE KGD GAR LCGC LCGR	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
434454674888888888888888888888888888888888	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEH RH RAT ACTUATOR CYLINDEH RH RAT ACTUATOR CYLINDEH RH RAT ACTUATOR CYLINDEH EMERGENCY HODE SELECT HANUAL OFFRATING VALVE RELEASE MECHANISH EXTENSION HECMANISH EXTENSION HECMANISH POWER CONTROL I DISTRIBUTE MANIFOLD FILTER, SPOILER + AILERON LH HANIFOLD CHECK VALVE STABILATOR CHECK VALVE STABILATOR CHECK VALVE SYSTEM PRESSURIZATION HYDRAULIC PUMP ACCUMULATOR ACCUMULATOR GAGE SYSTEM RELIEF VALVE	Y	HE A HAPF	KMF KMU KGa L KFH	FUNC KHE KHE KGD GAR LCGC LCGR	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
3445 477 480 88 R 8867 1000 11145 16	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER HR RAT ACTUATOR CYLINDER RAT ACTUATOR CYLINDER POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HECHANISH EXTENSION HECHANISH EXTENSION HECHANISH POWER CONTROL I DISTRIBUTE MANIFOLD FILTER, STABILATOR FILTER, STABILATOR FILTER, STABILATOR FILTER, STABILATOR FILTER, STABILATOR SYSTEM PRESSURIZATION HYDRAULIC PUMP ACCUMULATOR GAGE SYSTEM RELIEF VALVE SYBRE SUPPRESSOR	Y	HE A HE A KHF A HE A	KHF KMU KGA L	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 173436789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
3445 478 478 478 478 478 478 478 478 478 478	EMERG POWER REGULATION EMERG CONTROL REGULATOR EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER HA RAT ACTUATOR CYLINDER RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HECMANISH EXTENSION HE	Y Y42141 Y Y42141 Y45327 Y45327 Y45322 Y45322 Y45322 Y45322 Y45322 Y45322 Y45322 Y45312 Y45312 Y45312 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	HE A HHE A HHE FAR HHE	KMF KMU KGa L KFH	FUNC KHE KHE KGD GAR LCGC LCGR	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAAAA
3445 478 8012 8587 1000 1114 151 161 191	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN HH RAT DOOR CYLINDEN RH RAT ACTUATOR POWER UNIT STRUT SMIVEL ASSEMBLY EMERGENCY HODE SELECT HANNAL OPFRATING VALVE HERGENCY HODE SELECT EXTENSION HECMANISH EXTENSION HECMANISH POWER COUTROL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, STABILATUR FILTER, STOTLER + AILERON LH HANIFOLD CHECK VALVE SYSTEM PRESSURIZATION HYDRAULIC PUMP ACCUMULATOR GAGE SYSTEM RELIEF VALVE SURGE SUPPRESSOR FLUID SUPPLY	Y	HE A HEF A HAW A HAWAT A H	KMF KMU KCa L KCu Ban KCB	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
344547888 RB67 COCCO 23456 1901116 18901	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR AMA AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER LH RAT DOOR CYLINDER RH RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE MADLE EXTENSION HECMANISH EXTENSION HECMANISH POWER COUTROL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, STABILATUR FILTER, STABILATUR STABILATUR FILTER, STABILATUR STABILATUR FILTER, STABILATUR FILTER, STABILATUR STABILATUR CHECK VALVE SYSTEM PRESSURIZATION HYDRAULIC PUMP ACCUMULATOR GAGE SYSTEM RELIEF VALVE SURGE SUPPLY RESERVOIH BLEED VALVE MYDOPHUEL RADIATOR	Y	HE A HIFF	KMF KMU KCa L KCu Ban KCB	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
344567489012 4567 45678 23456 890123	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER GEMERATION EMERGENCY GENERATOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER RH RAT ACTUATOR CYLINDER RAT ACTUATOR POWER UNIT STRUT SMIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OPFRATING VALVE RELEASE HECHANISH EXTENSION HECHANISH POWER COUTROL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, STABILATUR FILTER, STABILATUR HAMIFOLD CHECK VALVE STABILATOR CHECK VALVE SYSTEM PRESSURIZATION MYDRAULIC PUMP ACCUMULATOR GAGE SYSTEM RELIEF VALVE SURGE SUPPRESSOR FLUID SUPPLY RESERVOIR BLEED VALVE HYD/FUEL RADIATOR FILTER RESERVOIR CHECK VALVE	Y Y42141 Y43121 Y45327 Y45322 Y45322 Y45322 Y45322 Y45322 Y45322 Y45322 Y45312 Y45312 Y45312 Y45312 Y45312 Z45116 Z45116 Z45116 Z45116 Z45116 Z45116 Z45117 Z45116 Z45117 Z45118	HE A HIFF	KMF KMU KCa L KCu Ban KCB	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAA AAAAAAAAAA AAAA
3456784567 RBBR COCOD 11111 11222234	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN HH RAT DOOR CYLINDEN RH RAT ACTUATOR CYLINDEN RH RAT ACTUATOR CYLINDEN RH RAT ACTUATOR CYLINDEN RH RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT HAMUAL OPFRATING VALVE RELEASE HADLE RELEASE HADLE RELEASE HECMANISH EXTENSION MECMANISH POWER COUTHOL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, SPOILER + AILEROY LM MANIFOLD CHECK VALVE STABILATOR CHECK VALVE SYSTEM PRESSURIZATION HYDRAULIC PUMP ACCUMULATOR ACCUMULATOR ACCUMULATOR ACCUMULATOR ACCUMULATOR BLEED VALVE HYD/FUEL RADIATOR FILTER BLEED VALVE HYD/FUEL RADIATOR FILTER HYD/FUEL RADIATOR FILTER FUER RESERVOIR BLEED VALVE HYD/FUEL RADIATOR FILTER FUER FESERVOIR CHECK VALVE FUHP CASE DRAIN CHECK VALVE	Y	HE A HAPF	KMF KMU KCa L KCu Ban KCB	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
34454789012 4567 45478 23456 11222222256	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER CEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDER HH RAT DOOR CYLINDER HH RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT HANNAL OPFRATING VALVE REELEASE HADLE RELEASE HECMANISH EXTENSION HECMANISH POWER COUTHOL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, SPOILER + AILERON LH MANIFOLD CHECK VALVE SYSTEM PRESSOR FLUID SUPPLY RESERVOIR BLEED VALVE SYSTEM RELIEF VALVE SURGE SUPPRESSOR FLUID SUPPLY RESERVOIR BLEED VALVE HYD/FUEL RADIATOR FILTER RESERVOIR CHECK VALVE PUMP CASE DRAIN CHECK VALVE RADIATOR CHECK VALVE RADIATOR CHECK VALVE HYD/FUEL RADIATOR FILTER RESERVOIR CHECK VALVE HYD/FUEL RADIATOR FILTER RESERVOIR CHECK VALVE HALLEF VALVE RESERVOIR CHECK VALVE HYD/FUEL RADIATOR FILTER RESERVOIR CHECK VALVE HALLEFOR CHECK VALVE HALLEF	Y	HEART AND THE AMERICAN	KMF KMU KCa L KCu Ban KCB	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 173436789 AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAA
345547888 R567 45678 23456 8901234567	EMERG POWER REGULATION EMERG CONTROL REGULATION EMERG AC POWER GEMERATION EMERGENCY GENERATIOR HAM AIR TURBINE PNEUMATIC SEQUENCE VALVE RAT DOOR CYLINDEN EM RAT DOOR CYLINDEN EM RAT ACTUATOR CYLINDEN RM RAT ACTUATOR CYLINDEN RM RAT ACTUATOR CYLINDEN RM RAT ACTUATOR POWER UNIT STRUT SWIVEL ASSEMBLY EMERGENCY HODE SELECT MANUAL OFFRATING VALVE RELEASE MFCWANISM EXTENSION HECMANISM POWER COUTHOL I DISTRIBUTE MANIFOLD FILTER, STABILATUR FILTER, SPOILER + AILERON LM HAMIFOLD CHECK VALVE STABILATUR CHECK VALVE STABILATUR CHECK VALVE SURGE SUPPRESSOR FLUID SUPPLY RESERVOIR GEGE SVSTEM RELIEF VALVE SURGE SUPPRESSOR FLUID SUPPLY RESERVOIR CHECK VALVE RADIATOR CHECK VALVE HYD/FUEL RADIATOR FILTER RESERVOIR CHECK VALVE LH AILERON CHECK VALVE	Y	HEAMFFARED PROPERTY OF THE SAME SAME SAME SAME SAME SAME SAME SAM	KMF KMU KCa L KCu Ban KCB	FUNC KHC KHE KGD CAR LCGC LCGC KFA KGG KFA	FC Fr. w 1734-5789 AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAA

				~	28 A. 4844 181 811
TITLE	MUC	ALPHA	1NPUT	D€P FU¹IC	CD AL SEMSITIVITY FC FW W 123436789
79 HYDRAULIC FUSF PRESSURE TRANSHITTER PRESSURE INDICATOR	7 75181• 751812 751811	KCCB	KAD		*
SMURBER S AMP CINCUIT BREAKEN OPCUEN CONTROL II DISTHIBUT	251 01 0 24 215 0 (E.) 2		KOH	KDO CAR KCCC	A A AAAAAAAA 39939999 335393933
37 MANIFOLD 38 FILTER, STABILATUR 39 FILTER, SPOILER + AILLERON & MANIFOLD CHECK VILVE STABILATOR CHI CHI VALLYF	Z451	KDA KDAA KDAB KDAC KDAD		HCCR	599999999 3 3 4
SYSTE PRESENTIATION	745100 7 7 7 7 7 7	KDAE KDB KDB KDB KDBA	Esk Bak	#FA #DC #DA #D0	
47 ACCUMULATOR 48 ACCUMULATOR GAGE 49 SYSTEM RELIEF VALVE 50 SURGE SUPPRESSOR FLUID SUPPLY	745123 745124 745120 745120 7	KDBR KDBC KDBC KDBE KDO	KUP	¥08	A 5 4 2
52 53 RESERVOIR 54 BLEED VALVE 55 MYD/FUEL RADIATOR 56 FILTER 57 RESERVOIR CHECK VALVE 58 PUMP CASE DRAIN CHECK VALVE 58 RUMP CASE DRAIN CHECK VALVE 60 RM AILERON CHECK VALVE	7 749124 749120 249128 749127 749120 8749120 749120	KD0 KD0A KD0A KD0C KD0C KD0E KD0F KD0G RD0H	KDA		A A 3 A A
41 STABILATOR CHECK VALVE PC II PRESSURE INDICATION 43 HYDRAULIC FUSE PRESSURE TRANSMITTER PRESSURE INDICATOR SMURBER	Z4512• Z Z5181• Z51814 Z51813 Z51813	KDGJ KDG KDGA KDGA KDGC KDGD	KDU Kad	н	02222220
5 AMP CINCUIT BREAKER LOW PRESSURE WARNING 60 70 71 71 72 PC I PRESSURE SVITCH	25101 • 2 2 2 2 7 245117	KDGE KFA KFA KFA KFA	KCU KNU KEU KAE	H	011111110
					_
TITLE	WUC TARABA	АЦРНА	INPUT	NEP FUNC	CD AL SENSITIVITY FC FN w 123456789
74 #ARMING LIGHT 79 9 AMP CIRCUIT BREAKER **UTILITY HYD DISTHIBUTION	245120 242150 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ALPHA KFAD KFAD KEA XEA XEA KEA KEA KEA KEA KEA	KEB		FC FN W 123456789 A AAAAAAAAA AAAAAAAAA AAAAAAAAAAAAAA
74 WARNING LIGHT 75 5 AMP GIRCUIT BREAKER	245120 242190 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KFAD KFAA KEAA KEAA KEAA KEAA KEAA KEAA KEAA	KEB	F KOACOCCCCCC D C C A ABEP B CCCCC C C C C C C C C C C C C C C C	FC FN W 123456789 A AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAA
74 #ARMING LIGHT 79 9 AMP CIRCUIT BREAKER **UTILITY HYD DISTHIBUTION 94 LH AILEROH/SPOILER FILTER 95 RH AILEROH/SPOILER FILTER 96 RUDDER FILTER 97 HAMIFOLD CHECK VALVE 99 MAMIFOLD CHECK VALVE 99 MAMIFOLD FILTER A3 FILTER CHECK VALVE	245120 242150 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KFAAD KFAA KEAA KEAA KEAA KEAA KEAA KEAA KEAA	KEB	FE CACOCCEC C CA A BEC CCCA C CA A BEC CCCCA C CA A BEC CCCCA C CCCCA C CCCCA C CCCCCCCCCC	FC FN W 123456789 A A A A A A A A A A A A A A A A A A A

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•=		2	KED	KEn			
85 54		245134	KEDA	RED			A
		243130	KEDO				A
96	LH HYD/FUEL RADIATOR	249138	KEDC				A
*	MH HYD/FUEL RADIATOR	249138 24913•	KEDO				A.
Ci		249136	KEDF KEDF				3
či	RH PUMP CASE DRAIN FILTER	245136	KEDG				3 2 4 3
C3	CASE DRAIN CHECK VALVE	245130	KEDM				A.
C4	MANIFOLD FILTER	245136	KEDJ				
	MANIFOLD FILTER MANIFOLD CHECK VALVE	Z4 3 13G Z4 3 13•	KEDK				<u>.</u>
		24913.	KEDH KEDL				ī
		2	KEC	KF+	H		011111110
	•	Z	KEC	KAF			
	5 AMP CIRCUIT BREAKER	2+215+	KECA				A
		74513•	KECD KECD				•
	SNUBBEH	Z4513• Z51816	KECE				7
		251013	KECF				Ā
1	PREUMATICS DISTRIBUTION	•	KGA	KGH	KHF		****
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		•	KCA		^CR		****
		•	KGA KGA		JAHC		011111110
		:	KGA		: ABG		4444444
07	GROUND CHARGING AIR VALVE	+4521G	KGAA				1
	AIR VALVE FILTER	+4921D	KCAR				1
	PRESS CONT/HOIST SEPARATOR	•	KCB	KBE	KGA		****
		•	KGB	KGC	KGF KGD		4444444
	MOISTURE SEPARATUR	•45211	KG B K GB A		K GU		. *******
		-45218	KGBR				4
14	PRESSURE SENSING SWITCH	-4524-	KGBC				Ā
15	VENT VALVE	+4521+	×G8D				A
16	DUMP VALVE	+4521+	KGBE				•
17	SAFETY VALVE PRESSURE GENERATION	+4521F	KGBF KGC	×60	KGB		14444444
17	Lugarous agricual to	•	KGC	KEA			
žò		•	KGC	KGE			
2.	HYD DRIVE COMPRESSOR	+4521C	KGCA				A
žŠ	HYDRAULIC HOTOR	+4521E	KECH				A
23	CASE DRAIN CHECK VALVE SYSTEM ACTIVATION	+452++	KGCC KGD	KRE	KGC		*
25	STOREN ACTIVATION	•	KGD	KGU	~**		
Žá	SELECTOR VALVE	+45215	KCDA				A
27	FLOW REGULATOR	+452**	KCDB				A
28	DOOR NO 22 SWITCH	+452++	KGDC				•
		****	41 8144	1 NPUT	DEP FUNC		\$ENSITIVITY W 123456789
	TITLE	WUC	ALPHE	14501	- 576	N	
29	DOOR NO 23 SWITCH	+45200					A
	5 AMP CIRCUIT BREAKER	+452++	KGDE				A
	AIR SUPPLY	•	KGE	ECQ	KEC		
	CHECK VALVE AND FILTER	+452++					Å
3	ABSOLUTE PRESSURE REGULATOR PRESSURE INDICATION	,,,361 0 •	KGF	KCH	H		01111111
35	E-Padrue Indication	•	KGF	KAD			
	S AMP CIRCUIT BREAKER	+452++	KGFA				A
	AIR PRESSUPE CACL	+51821					*
	PRESSURE INDICATOR PRESSURE TRANSMITTER	+51822					Ā
	PRESENTE TRANSMITTER	+51823	RUFII				-

APPENDIX B EQUIPMENT SAFETY CRITICALITY PRINTOUT

This appendix contains the flight-safety criticality assessment for the F-4J aircraft.

These criticalities are based on the combined failure data for May 1968 through April 1969, the flight history for the same period, the sensitivity values for each Work Unit Code's functional path, and the weighting factors applicable to the distribution of system failure probability derived from the VF-121 data collection effort.

All conditional or provisory factors were set to zero for this model exercise. The criticalities therefore are based on VFR daylight mission with field takeoff and landing in which backup (emergeary) systems are available but not needed. This appendix is divided into two sections, the first ranking WUC's by their criticality, and the second listing the same information but sorted according to WUC.

The format used in the printout shows the WUC on the left followed by the name, the criticality in each mission phase, and finally the total criticality.

In cases where there are more than one alpha designator (more than one part having the same WUC), the name is listed with the applicable alpha designator; its criticalities are shown for each mission phase; and the combined criticalities for all alphas having that WUC are shown on the line in which the WUC is listed.

Mission phases are numbered in accordance with the footnote on page 2-5 of the report.

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ALPHA WUC-TITLE	DABABAL LWLG SHOCK STRUT DABABAR RWLG SHOCK STRUT DABABBR RWLG SHRINK MECHANISM	DAAAAER RMLG SIDEBRACE ACTUATOR DABABER RMLG SIDEBRACE ACTUATOR	LMIG INBD DOOR	DAMABCA RMLG INBD DOOR RELLCRANK DABAADL LMLG INBD DOOR BELLCRANK	1 NBO DOOR	LMLG STRUT	DABABRY RMLG STRUT DOOR	LMLG STRUT	DAABAG NLG UPLOCK ACTUATOR	NEG UPLOCK ACTUATO	BAHA POWER UNIT COMPENSAT	BAGA NOSE WHEEL	BACE FILTER ASSY	٠,	AABDS ACCONCLAIOR AACAB VERTICAL DAMPER CYLINDER	S AIR-OIL MANIFOLD	H .	CCGS (LINKAGE CCAA R RIGHT AILERON ASSY		CCOA L DAMPER CYLINDER ASSY		ء د	CCFD L ELECTRICAL CONTROL	COVER ASSEMBLY		FEEL SY	CACL LONG HELLOWS BELL CACB BELLOWS ASSY)))	CBAA RUDDER ASSEMBLY CBAA RUDDER POWER CONTROL CYL	RUDDER	
Jn≱	13211	13210	13232	13232	13232	13234	13234	13234	13321	13321	13341	1334	13346	13547	13511	13515	14115	14119	14221	14221	14262	14262	14269	14311	14512	14321	14524	14337	14410	1442E 1442B	

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&LP→4 WUC-TITLE	RMA R THERMOCOUPLE			GB L PRESSURE TRANSMI	GB R PRESSURE IMANSMILLE	ADEB L FUEL FLOW INDICATOR	EB R FUEL FLOW INDICATO	FLOW	A R FUEL FLOW TRANSMITTE		UB R AILERON POSITION INDICATOR	STITEMENT SOLLING SNID -	CCUA R WING POSITION TRANSMITTER	RUDDER POSITION INDICATO		TOTAL TIPLE TOTAL ABOUT	COMP NOUGH TOUSTION TANNSTITES				BABAB L NOZZLE POSITION INDICATOR	2 X X X X X X X X X X X X X X X X X X X		PRESSURE INDICATOR	PRESSURE	PARSSUAE GAGE	PARTOSOURE	KGFD PRESSURE TRANSMITTER		TANK NO 7 FUEL	TANK NO 6 FUEL	TAVK NO 6 FUEL	Y Z Z	TANK NO 2 FUEL	TANK NO 1 UPPER	R 0/8 FUEL PROB	R INT FUEL PROB	HADED L O/B FUEL PROBE
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PHASE	00000	95000.	.00029	82000.	.00025	.00024	10000.	.00003	.00009	.00005	.00057	92000.	.00020	,00054	96000.	90000	,00938	.00166	.00000	.00120	.00048
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CRITICAL PH3	.00000	.00000	.00029	62000.	.00025	.00024	.0000	\$8000.	.00003	.00003	.00057	.00026	.00020	.00054	960000	,00006	.00938	.00166	20000	.00120	.00048
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ALPHA	HADEE	MADAM		BBEA		8868			EDAAA	EDABA	HOAAA	HDACA	S D	C.F.D	CF.▲	CFB B	C. H	CFE	CF.	CFC C	CF.
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CRITICALITY ORDERED BY CRITICALITY (PAGE 7 OF 12)

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APPENDIX C COMPUTER PROGRAMS AND LISTINGS

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This appendix presents the computer program listings for the six programs required for construction and exercise of the F-4J flight safety model.

The first program, "Navy Top-Down Path Generator" illustrates the pathidentification and safety-sensitivity computation. Under each diagram is indicated the corresponding steps in the program listing.

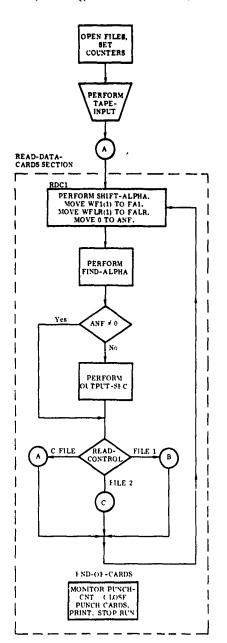
The second program, "Criticality-Calculations", computes the path criticalities, then combines them for each Work Unit Code and mission phase. Inputs to this program are the path sensitivities from the first program, and Navy 3M data.

The other four programs are presented as lists because of their simplicity. These programs are:

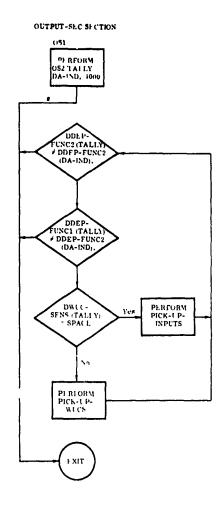
- a. "Top-Down Printout Routine" which prints out the results of the first program.
- b. "Top-Down Tape Gen" which accepts the functional cards and produces a Dictonary Tape showing WUC, alpha's, and name; and a Dependent Function Array Tape containing sensitivity values for each functional link.
- c. "Top-Down Tape Sort" which sorts the Dependent Function Array Tape by dependent function for use in the Top-Down Path Generator Program.
- d. "Sort + Merge Path and Failure Data" which merges the path sensitivity information with the failure data applicable to each WUC for use in the Criticality Calculations Program.

NAVY TOP-DOWN PATH GENERATOR

(Listing Items 136-161)



(Listing Items 168-180)



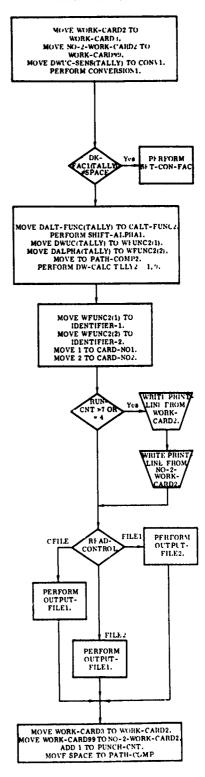
NAVY TOP-DOWN PATH GENERATOR

(Listing Items 236-282)

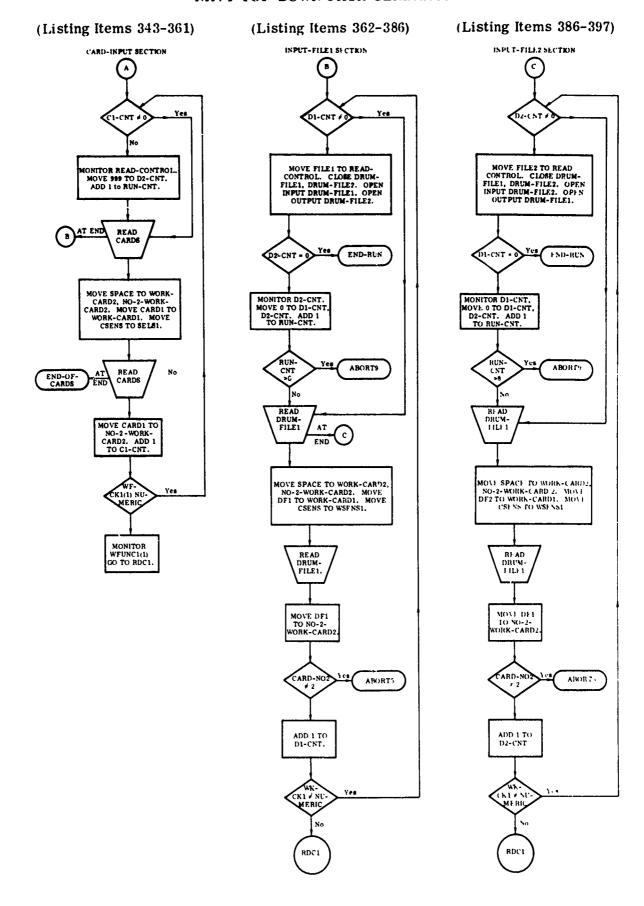
PICK-UP-INPUTS SECTION PERFORM MOVE DPHSFNS (TALLY) TO WSFNS2. PERFORM BET-CON-FAC MOVE DALPHA(TALLY) TO WFUNC2(1). PERFORM PU-CALC TLLY2 = 1-9. MOVE WFUNC2(1) TO IDENTIFIER-1. MOVE WFUNC2(2) TO IDENTIFIER-2. MOVE 1 TO CARD-NO1. MOVE 2 TO CARD-NO2. PERFORM CHECK-FOR-LOOP. LOOP-CR Yes URITE PRINT LINE FROM WORK-CARD2 WRITE PRINT-LINE FROM NO-2-WORK-FILE PERFORM READ-CFILE OUTPUT-FILE 2 PERFORM OUTPUT-PERFORM OUTPUT-FILF 1 ADD 1 TO 222 PUNCH-CNT

(Listing Items 289-316)

PICK-UP-WUCS SECTION



NAVY TOP-DOWN PATH GENERATOR



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11 TR1,

02 TR11 PICTUME X(78),

02 TR12 PICTUME XX,

FD PRINT LABEL MECOND ONITTED DATA RECORD PRINT-LINE,

12 TR12 PICTUME X(132),

FD PRINT-LINE PICTUME X(132),

FD DAUM-FILE1 LABEL RECORD ONITTED DATA RECORD DF1

BLOCK CONTAINS 40 RECORDS,

01 DF1 FICTUME X(80),

FD DAUM-FILE2 LABEL RECORD ONITTED DATA RECORD DF2

BLOCK CONTAINS 40 RECORD ONITTED DATA RECORD PUNCH-LINE,

01 DF2 FICTUME X(80),

FD DATA-TAPE LABEL RECORD ONITTED DATA RECORD TAPE-REC,

01 PUNGH-LABEL RECORD ONITTED DATA RECORD IS CARD1,

FD DATA-TAPE REC PICTUME X(80),

FD DATA-TAPE REC PICTUME X(80),

MORNING-STORAGE SECTION,

77 READ-CONTROL PICTUME 9(5) VALUE 0,

77 RAW-CNT PICTUME 9(5) VALUE 0,

77 RUN-CNT PICTUME 9(5) VALUE 0,

77 RUN-CNT PICTUME 9(5) VALUE 0,

77 RUN-CNT PICTUME 9(5) VALUE 0,

77 TLLY2 PICTUME 9(5) VALUE 0,

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77 TLLY2 PICTUME 9(9),

77 TLLY2 PICTUME 99999,

77 TLLY2 PICTUME 99999,
                                                               PROGRAM-ID, NAVY TOP DOWN PATH GENERATER,
AUTHOR, ROST RITTER
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SOURCE-COMPUTER, UNIVAC-1108,
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OPEN OUTPUT PRINT,
OPEN OUTPUT PATH-TAPE,
OPEN OUTPUT DRUM-FILE1, DRUM-FILE2,
PERFORM TAPE-INPUT,
MOVE 0 TO CARD-INPUT,
READ-DATA-CARDS SECTION,
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02 CARD-NO2 PICTURE 99,
11 WORK-CARD99 PICTURE X(A0),
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END-OF-CARDS.
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CLOSE CARDS. PRINT.
STOP RUN. PERFORM SHIFT-ALPHA, MOVE WFL(1) TO FAL, MOVE O TO ANF, PERFORM FIND-ALPHA, IF ANF GREATER THAN O G OUTPUT-SEC SECTION, 051, PROCEDURE DIVISION, PO. F <u>..</u> 0\$2. 200 20 5 40 APMING 40 40 APMING 40 ACAD AND GAO APMING 40 ACAD AND GAO ACAD AND CAD AND

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IF TLY GREATER THAN 4000 PERFORM ALPHA-NOT-FOUND,
IF ANF GREATER THAN 0 GO TO FF-EXIT,
IF DOEP-FUNCI(TLY) EQUAL FAI AND DDEP-FUNCZ(TLY) EQUAL FALR
MOVE 999 TO 2ZZ,
IF DOEP-FUNCI(TLY) GREATER THAN FAI HOVE 999 TO ZZZ,
IF DOEP-FUNCI(TLY) EQUAL FAI AND DDEP-FUNCZ(TLY) GREATER THAN
FALR HOVE 999 TO ZZZ,
IF DDEP-FUNCI(TLY) EQUAL FAI AND DDEP-FUNCZ(TLY) GREATER THAN
IF DDEP-FUNCI(TLY) EQUAL SPACE MOVE 999 TO ZZZ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF DDEP-FUNCI(TLY) EQUAL FAI AND DDEP-FUNCZ(TLY) EQUAL FALR MOVE 999 TO 222,
IF DDEP-FUNCI(TLY) GREATER THAN FAI MOVE 999 TO 222,
IF DDEP-FUNCI(TLY) EQUAL FAI AND DDEP-FUNC2(TLY) GREATER THAN FALR MOVE 999 TO 222,
IF DDEP-FUNCI(TLY) EQUAL SPACE MOVE 999 TO 222,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF DDEP-FUNCI(TLY) EJUAL FAI AND DDFP-FUNCZ(TLY) EQUAL FALR MOVE 999 TO ZZZ.
ADD 1 TO Y.
IF Y GREATER THAM 11 GO TO ALPHA-NOT-FOUND.
IF ANF GREATER THAN 0 GO TO FF-EXIT,
                                                   MOVE 0 TO 222,
PERFORM FFS VARYING TLY FROM 100 BY 100 UNTIL 222
GREATER THAN 0,
IF TLY EQUAL 200 MOVE 201 TO TLY,
SUBTRACT 200 FROM TLY GIVING X; MOVE 0 TO Y, 222,
PERFORM FFS THAN 0,
IF TLY LESS THAN 21 MOVE 21 TO TLY,
SUBTRACT 20 FROM TLY GIVING X; MOVE 0 TO Y, 222,
PERFORM FF7 VARYING TLY FROM X BY 1 UNTIL 122 EQUAL 999,
SUBTRACT 1 FROM TLY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD 1 TO Y.
IF Y GREATER THAN 11 GO TO ALPHA-NOT-FOUNT,
IF ANF GREATER THAN U GO TO FF-EXIT,
                                                                                                                                                                                                                                                                                                                                                                                                                          HOVE TLY TO DA-IND,
GO TO FF-EXIT,
FIND-ALPHA SECTION, FF1.
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EXIT.
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PICK-UF-INPUTS SECTION, PUI,

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NAVY TOP-DOWN PATH GENERATOR (PAGE 4 OT 9)

CARU-INPUT.

NAVY TOP-DOWN PATH GENERATOR (PAGE 6 OF 9)

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SET-CON-FAC.

[F CCON-FAC(1) EQUAL SPACE MOVE DK-FAC(1(TALLY) TO GCON-FAC2(1)

ELSE MOVE DK-FAC1(TALLY) TO CCON-FAC2(2).

IF DK-FAC2(TALLY) NOT EQUAL SPACE AND GCON-FAC2(3) EQUAL

SPACE MOVE DK-FAC2(TALLY) TO GCON-FAC2(3).
HRITE DF2 FROM WORK-CARD2,
HRITE DF2 FROM NO-2-WORK-CARD2,
HRITE TR1 FROM NO-2-WORK-CARD2,
ADD 1 TO PATH-CN1,
FINAL-BUTPUT,
HRITE PRINT-LIME FROM WORK-CARD2,
WRITE PRINT-LIME FROM WORK-CARD2,
                                                                                                                                                                                                                                                                                                                                                                       # APD(8) TO APD(9),
# APD(7) TO APD(8),
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# APD(1) TO APD(8),
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# APD(2) TO APD(1),
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# APUNC2(1) TO WFUNC2(1),
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MONITOR MUN-CNT, PATH-CNT
STOP NUN.
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HOVE WEI(TLLY2) TO CONVI,
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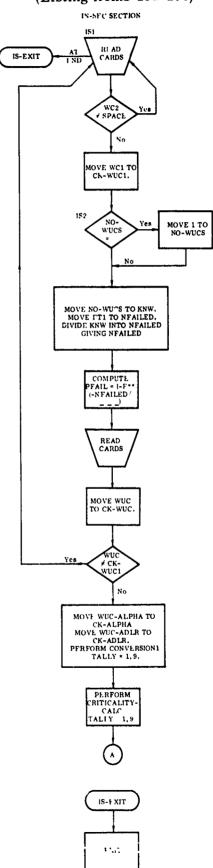
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CRITICALITY-CALCULATIONS

(Listing Items 162-179)

PERFORM CLEARARRAY FALLY 1, 100 PERFORM CLEARTOTAIN TALLY 1-9 OPEN INPLI DICT-PAPE, PERFORM TABLIST 1- CLOSE DICT-LAPE. MOVE 0 TO CREE-RANK, MOVE 94 TO TREE-CNEE MOVE SPACE TO PRINT-LINE SORT FOOR ON DESCENDING KEY. JEET INPLIPED. PRO. IS INSEC, OUTPLE PRO. IS

(Listing Items 184-208)

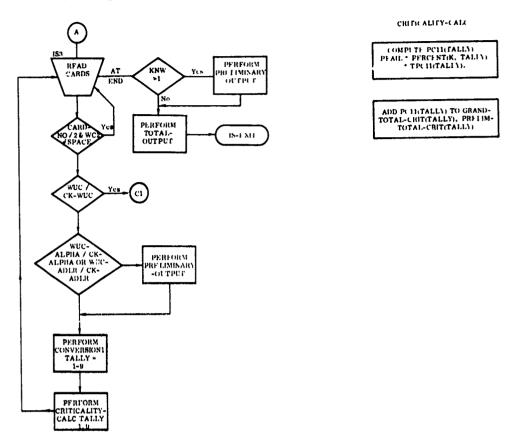


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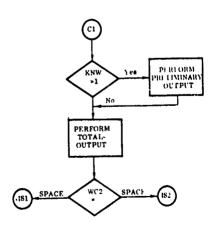
(Listing Items 184-208)

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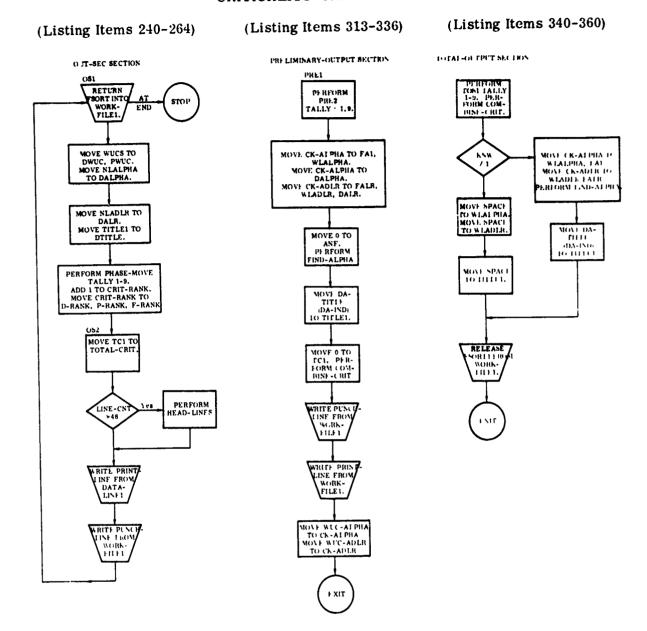
(Listing Items 209-219)



(Listing Items 225-234)



CRITICALITY-CALCULATIONS



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OPEN OUTPUT PUNCH,
OPEN OUTPUT PUNCH,
FERFORM CLEAR-ARRAY VARYING TALLY FROM 1 BY 1 UNTIL TALLY
GREATER THAN 3.100,
FERFORM CLEAR-TOTALS VARYING TALLY FROM 1 BY 1 UNTIL TALLY
OPEN IMPUT DICT-TAPE,
HOYE 0 TO TI-CNT.
PERFORM TAPE-IMPUT VARYING TALLY FROM 1 BY 1 UNTIL TALLY
GREATER THAN 3150,
CLOSE DICT-TAPE.
                                                                                                                   01 NORK-FILE1.
02 WUCL PICTURE XXXXXX.
02 WLALPHA PICTURE XXXXXX.
02 WLADLR PICTURE XX.
02 TITLE1 PICTURE XX.
02 TITLE1 PICTURE 949999.
02 TC1 PICTURE 949999.
02 TC3 PICTURE 949999.
03 TC3 PICTURE 949999.
03 TC3 PICTURE 949999.
03 TEMP-PC1.
03 TEMP-PC1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02 DALPHA PICTURE X.
02 DALR PICTURE X.
02 FILLI PICTURE X.
02 FILLI PICTURE X.27188.
02 FY-CRIT PICTURE X.9(9)8 OCCURS • TIMES.
02 TOTAL-CRIT PICTURE X.9999.
02 D-RANK PICTURE 888222.
INCOMPATABLE CHARACTERS IN PICTURE OR CONFLICT IN EDITING.
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'---- CRITICALITIES BY FLIGHT PHASE

02 H13 PICTURE X(18) VALUE

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02 DWUC PICTUME XXXXXXBB.
02 DALPHA PICTUME XXXXXX.
02 DALR PICTUME X
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IF NG-WUCS EQUAL ' ' MOVE 1 TO NO-WUCS,

MOVE PT1 TO NFAILED,

IF KNW EQUAL SPACE MOVE 1 TO KNW,

DIVIDE KNW INTO NFAILED,

COMPUTE PFAIL ROUNDED = 1 - E = ( - NFAILED / 9463)

READ CARDS AT END GO TO ABORT1,

HOVE WUC TO CK-WUC,

IF WUC NOT EQUAL CK-WUC1 GO TO IS1,

PERFORM SET-PERCENT,

HOVE WUC-ALPHA TO CK-ALPHA,

HOVE WUC-ALPHA TO CK-ALPHA,

PERFORM CONVERSION1 VARYING TALLY FROM 1 BY 1 UNTIL TALLY

CREATER THAN 9,

HOVE WUC-ALPHA TO CK-ALPHA,

ROVE WUC-ALPHA TO CK-ALPHA,

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IF CARD-NO EGUAL 2 AND MCZ NOT EQUAL SPACE CO TO 183,

IF WUC NOT EQUAL CK-WUC GO TO C1,

IF WUC-ALPKA NOT EQUAL CK-ALPHA OR WUC-ADLR NOT EQUAL

CK-ADLR PERFORM PRELIMINARY-OUTPUT,

PERFORM CONVERSIONS VARYING TALLY FROM 1 BY 1 UNTIL

GREATER THAN 9,

PERFORM CRITICALITY-CALC VARYING TALLY FROM 1 BY 1 UNTIL

CO TO 183,

CRITICALITY-CALC,

COMPUTE PC11(TALLY) ROUNDED = PFAIL • PENCENT(TALLY) •

TPC11(TALLY) ON SIZE FRROR MONITOR PFAIL,

ADD PC11(TALLY) TO GRAND-TOTAL-CRIT(TALLY),

PRELIM-TOTAL-CRIT(TALLY).
    LINE-CNT,
TO DATA-LINE1,
ON DESCENDING KEY FKEY INPUT PROCEDURE
OUTPUT PROCEDURE IS OUT-SEC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISTI.

IF KNW GRFATER THAN I PERFORM PRELIMINARY-OUTPUT,

PERFURM TOTAL-OUTPUT,

GO TO IS-FXIT,

IS-EXIT,

EXIT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF KNW GREATER THAN I PERFORM PRELIMINARY-OUTPUT, PERFORM TOTAL-OUTPUT, IF WCZ EQUAL SPACE GO TO 162 ELSE GO TO 151.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        READ CARDS AT END GO TO IS-EXIT,
IF WC2 NOT EQUAL SPACE GO TO ISI,
NOVE WC1 TO CK-VUC1,
HOVE SPACE
SORT FRORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                IN-SEC SECTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               183.
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PERFORM PREZ VARYING TALLY FROM 1 BY 1 UNTIL TALLY EQUAL 10, HOVE CK-ALPMA TO FA1, MLALPMA, HOVE CK-ALPMA TO DALPMA, HOVE CK-ADLR TO DALPMA, HOVE CK-ADLR TO DALR, HOVE CK-ADLR TO DALR, HOVE CK-ADLR TO DALR, HOVE CK-ADLR TO DALR, HOVE OT O ANG. PERFORM FIND-ALPMA, IF ANF EQUAL O HOVE DA-TITLE(DA-ING) TO TITLE1 ELSE MOVE SPACE TO TITLE1, HOVE OF TO TOTAL, HOVE OF TOTAL, HOVE WC-ALPMA TO CK-ALPMA, HOVE WC-ALPMA TO CK-ALPMA, HOVE WC-ALPMA TO CK-ALPMA, HOVE WC-ALPMA TO CK-ADLR, HOVE WC-ADLR TO CK-ADLR, GO TO PRE-EXIT, PERFORM TOSZ VARYING TALLY FROM 1 BY 1 UNTIL TALLY EQUAL 10, PERFORM COMBINE-CRIT, IF WW NOT GREATER THAN 1 IF KNW NOT GREATER THAN 1 MOVE CK-ALPHA TO MLALPHA FA1 ELSE MOVE SPACE TO WLALPHA, IF KNW NOT GREATER THAN 1 MOVE CK-ANLR TO MLADLR, FALR ELSE MOVE SPACE TO WLANLR, NOVE OF ANG. IF KNW NOT GREATER THAN 1 IF KNW NOT GREATER EGUAL FAI AND DA-ADLR(TLY) EGUAL FALR IF DA-ALPHA(TLY) GREATER THAN FAI MOVE 999 TO 222, IF DA-ALPHA(TLY) EQUAL SPACE MOVE 999 TO 222, ADD 1 TO Y, IF Y GREATER THAN 11 PERFORM ALPHA-NOT-FOUND, IF ANF GREATER THAN 0 GO TO FF-EXIT, PRE2, MOVE PRELIM-TOTAL-CRIT(TALLY) TO PC11(TALLY), MOVE D TO PRELIM-TOTAL-CRIT(TALLY), PRE-EXIT, EXIT, IF DA-ALPHA(TLY) EQUAL FAI AND DA-ADLR(TLY)
GO TO FFII,
ADD 1 TO Y,
IF Y GREATER THAN 11 PERFORM ALPHA-NOT-FOUND,
IF ANF GREATER THAN D GO TO FF-EXIT, PRELIMINARY-OUTPUT SECTION, PRE1. TOTAL-OUTPUT SECTION, TO61, FF-EXIT, EXIT, FF7.

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CRITICALITY-CALCULATIONS (PAGE 7 OF 9)

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IF PH-BENGTALLY) EQUAL 10 MOVE 0 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 11 MOVE 1 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 11 MOVE 2 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 12 MOVE 2 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 13 MOVE 3 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 14 MOVE 4 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 14 MOVE 6 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 17 MOVE 6 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 17 MOVE 6 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 17 MOVE 6 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 17 MOVE 6 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 17 MOVE 7 TO TPC11(TALLY)

IF PH-BENGTALLY) EQUAL 17 MOVE 6 TO TPC11(TALLY)

COMBING-SENS

COMPUTE PC11(TALLY) ROUNDED 8 PC11(TALLY)

ON SIZE ERROR MONITOR PC11(TALLY),

ADD PC11(1)
                                                                     ABORTI,
HOVE 'END OF CARDS ENCOUNTERED IN ERROR-----' TO PRINT-LINE,
WRITE PRINT-LINE,
STOP RUN,
                                                                                                                                                                                                                                                                                                                 READ DICT-TAPE AT END MOVE 3409 TO TALLY,
IF DT-TITLE NOT EQUAL SPACE AND 1 TO TI-CNT.
IF DT-TITLE NOT EQUAL SPACE AND TALLY LESS THAN 3400 MOVE DICT-ENTRY TO TITLE-ENTRY(TI-CNT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCII(1), PC11(2), PC11(3), PC11(4), PC11(4), PC11(9), PC11(7), PC11(7), PC11(8), PC11(9), GIVING TC1,
                                                                                                                                                        PHASE-MOVE.

HOVE PC11(TALLY) TO PH-CRIT(TALLY), PL11(TALLY),
ALPHA-NOT-FOUND.

HOVE 9 TO ANF, MONITOR FA1,
CLEAR-ARRAY.

HOVE 9PACE TO TITLE-ENTRY(TALLY),
TAPE-INFUT,
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CLEAR-TOTALS,
MOVE 0 TO PRELIM-TOTAL-CRIT(TALLY),
GRAND-TOTAL-CRIT(TALLY),
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PRINT-LINE PICTURE X(132).
FSORT FILE CONTAINS ABOUT 1000 RECORDS DATA RECORD FSORTI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01 TRZ,
02 T1 PICTURE X,
02 T2 PICTURE X(79),
FD CARDS LABEL RECORD OWITTED DATA RECORD CARD1, CARD2,
01 CARD1,
02 C2 PICTURE X(7),
02 C2 PICTURE X(7),
02 C3 PICTURE X(7),
02 C4 PICTURE X(7),
02 C4 PICTURE X(7),
02 C4 PICTURE X(7),
02 C4 PICTURE X(44),
02 C6 PICTURE X(44),
02 C6 PICTURE X(44),
02 C7 PICTURE X(44),
02 C7 PICTURE X(44),
                                                                                                                     30.
                                                                       IDENTIFICATION DIVISION,
PROGRAM-ID, SORT-AND-MERGE-PATH-AND-FAILURE-DATA.
30 CHARAÇTERS IN WORD OR NUMERIC LITERAL--TRUNCATED TO
AUTHOR, ROST RITTER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORD OMITTED DATA RECORD PRINT-LINE, TURE X11323.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DATA DIVISION.
FILE SECTION.
FD PATM-TAPEZ LABEL REGORD OMITTED DATA RECORD TR2
BLOCK CONTAINS 40 RECORDS.
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SELECT FSORT ASSIGN TO DRUM 200000 WORDS
                                                                                                                                                            ENVIRONMENT DIVISION,
CONFIGURATION SECTION,
SOUNCE-COMPUTER, UNIVAC-1108,
INPUT-OUTPUT SECTION,
FILE-CONTROL,
FILE-CONTROL,
SELECT CARDS ASSIGN TO CARD
SELECT PATH-TAPEZ ASSIGN TO
RESERVE 2 ALTERNATE ANE
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OPEN OUTPUT PATH-TAPE,
OPEN OUTPUT PRINT;
OPEN INPUT PATH-TAPE2,
HOVE 0 TO REC-ENT,
SORT FRONT ON ASCENDING KEY F1, F2, F4 INPUT PROCEDURE IS
IN-SEC OUTPUT PROCEDURE IS OUT-SEC,
HONITOR REC1,
CLOSE PRINT, CARDS, PATH-TAPE,
HONITOR REC-ENT,
STOP RUN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10146154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                METURN FSORT RECORD AT END GO TO OS-EKIT,
MOVE FSORT, TO REC1,
WRITE REC1,
WRITE PRINT-LINE FROM FSORTS,
GO TO OS1,
OS-EXIT,
EXIT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    READ PATH-TAPEZ AT END GO TO IS-EXIT.

IF T1 NOT MUMERIC GO TO READ-TAPE.

HOVE TR2 TO FS2.

RELEASE FSORT1.

GO TO READ-TAPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ž
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                                                                                                                                                                                                                                                                                              MOVE SPACE TO FRONTI,
MOVE REC-CNT TO F4,
READ CANDS AT END GO TO FAILUME-CANO,
NOVE CARD, TO F82,
RELEASE FRONTI,
GO TO 181,
MOVE CY TO F3,
MOVE CY TO F3,
MOVE CY TO F3,
RELEASE FRONTI,
GO TO 181,
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                                                                                                                                                                                                                                                                             IDD 1 TO REC-CNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EXIT,
out-sec section,
08%,
                                                                                                                                                                                                                                  IN-SEC SECTION,
181.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COBOL COMPLATION TIME 2 SECONDS, CANDS CANDS COPE RELOCATABLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RELOCATABLE
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     DCOMSS
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Designation of

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OPEN OUTPUT PRINT,
SORT FSORT ON ASCENDING KEY FSKEY INPUT PROCEDURE IS F-IN
OUTPUT PROCEDURE IS F-OUT,
CLOSE DICT-TAPE WITH LOCK,
STOP RUN,
                                                                                                                                                                                                                                                         RETURN FSORT RECORD INTO DICT-ENTRY AT END 30 TO F3-EXIT, MOVE DICT-ENTRY TO PL1.
WRITE DICT-ENTRY.
WRITE PRINT-LINE FROM PL1.
GO TO F4.
                                                                                                                                                                                                                                                 CLOSE DICT-TAPE, OPEN DUTPUT DICT-TAPE,
                                                                                                                                                                                                          READ DICT-TAPE AT END GO TO FI-EXIT, RELEASE FSORTI FROM DICT-ENTRY, GO TO F2, F1-EXIT,
                                                                                                                                                                                                    OPEN INPUT DICT-TAPE.
                                                                                                                                                                                                                                   EXIT.
F-OUT SECTION.
                                                                                                                                                                                                                                                                                   F3-EXIT.
EXIT.
           10146158
                                                                                                                                                                                                                                                      F.
10146156 • ABC COB DICSRT, DICSRT COBOL UCC VERFION 2 COMPILED ON - 27 JUN 69 AT 101468
                                                                                                   040
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	(608)	27 JUN 69	10:46:54	0 00142492	25.5	4 (DELETED)	â
4ELOCATABLE	(000)	99 NOT 28	10146157	0 00151554	100	4 (DELETED)	â
RELOCATABLE	(608)	10 NUC 21	27 JUN 69 10146157	0 00152015	46	4 (DELETED)	ô
RELOCATABLE	(000)	90 NIT 6	(COB) 27 JUN 69 10146157	0 06152141	3	2 (DELETED)	â

COBOL COMPITATION TO DICT+T CODE PRINT CODE FEORT CODE

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TIMES PICTURE X. 4000 RECEADS DATA RECORD FSORTI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01 FSORI1.
02 FS1 PIC. AE X(14).
02 FS2-KEY FICTURE X(7).
02 FS2 PICTURE X(16).
02 FS2 PICTURE X(16).
01 TAPE-TAPE LAREL RECORD OMITTED DATA RECORD TAPE-REC.
01 TAPE-STOR FICTURE SECTION.
77 DENTAY PICTURE 99090.
77 DA-IND PICTURE 9(5).
77 SAVE-ALPHA PICTURE X(6).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CARDI.

OZ FILLER PICTURE X(2),

OZ FILLER PICTURE X(2),

OZ ALPHA PICTURE X,

OZ ALPHA PICTURE X,

OZ ALPHA PICTURE X,

OZ CONFIG PICTURE X,

OZ ILPUR PICTURE X,

OZ ILPUR PICTURE X,

OZ DELR PICTURE X,

OZ ONFIG PICTURE X,

OZ ONFIG PICTURE X,

OZ ONFIG PICTURE X,

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OZ ALT-F
10:46:51 6ABC COB TOPDWN,TOPDWN
COBOL UCC VERSION 2
COMPILED ON - 27 JUN 69 AT 10:44:
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THE REPORT OF THE PARTY OF THE

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PERFORM AND DATE OF THE TALLY FROM 1 BY 1 UNTIL TALLY GREATER THAN 4000.

CO TO READ-DATA-CARDS.

READ-DATA-CARDS SECTION.

READ-DATA-CARDS AT END GO TO END-RUN.

IF ALPHA EQUAL SPACE AND DEP-FUNCS EQUAL SPACE GO TO RDC1.

IF ALPHA EQUAL SPACE AND DEP-FUNCS EQUAL SPACE GO TO RDC1.

IF TITLE NOT EQUAL SPACE AND DEP-FUNCS BOUAL SPACE

PERFORM DICTIONARY-TARE.

IF TITLE NOT EQUAL SPACE AND DEP-FUNCS NOT EQUAL SPACE

PERFORM SAVE-ALPHA TO SAVE-ALPHA.

IF WUC NOT EQUAL SPACE PERFORM PICK-UP-WUCS.

GO TO RDC1.

SAVE-ALPHA 1.

MOVE ALPHA TO SAVE-ADLR.

PICK-UP-DEP-FUNC SECTION.

PUL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HOVE ADLR TO SAVE-ALPHA,
HOVE ADLR TO SAVE-ADLR,
HOVE ALPHA TO DALPHAI(DA-IND),
HOVE ALPHA TO DALPHAZ(DA-IND),
HOVE DEP-FUNCS TO DEP-FUNC2(DA-IND),
HOVE CON-FAC TO DK-FAC(DA-IND),
HOVE CON-FAC TO DK-FAC(DA-IND),
HOVE CON-FAC TO DALT-FUNCS(DA-IND),
HOVE FLIGHT-PHASE—SENSITIVITY TO DPH-SENS(DA-IND),
PICK-UP-WUGS SECTION,
77 SAVE-ADLR FICTUME X(6),
01 DATA-APRAY1,
02 DA1 OCCURS 40GD TIMES,
03 DALPHA1 PICTUME X(6),
04 DALPHA1 PICTUME XXXXXX,
05 DDEP-FUNC, PICTUME X,
05 DDEP-FUNC, PICTUME X,
05 DDEP-FUNC, PICTUME X,
05 DDEP-FUNC, PICTUME X,
05 DAN-SENS PICTUME X,
05 DATA-ARRAY2 REDEFINES PICTUME X,
06 DATA-ARRAY2 REDEFINES PICTUME X,
07 DAZ OCCURS 74 TIMES PICTUME X(200),
PROCEDUME DIVISION,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ALPHA TO DALPHAI(DA-IND),
ADLR TO DALPHAZ(DA-IND),
SAVE-ALPHA TO DDEP-FUNCI(DA-IND),
                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPEN INPUT CARDS, OPEN OUTPUT PRINT,
OPEN OUTPUT DIGT-TAPE,
HOVE D TO DENTRY,
HOVE 1 TO DA-IND,
PERFORM ARRAY-CLEAR VARYING TALLY FRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOVE
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BY 1 UNTIL O AR-EXIT. ER: ARRAY ME. ARRAY	27 JUN 69 27 JUN 69 27 JUN 69 27 JUN 69 27 JUN 69 27 JUN 69
PERFORM ARZ VARYING TALLY FROM 1 BY 1 UNTIL TALLY GREATER THAN 4000. GO TO AR-FXIT. IF DALPHA(TALLY) EQUAL SPACE GO TO AR-EXIT. WRITE PRINT-LINE FROM DAI(TALLY). EXIT. EXIT. SECTION. Y-CLEAR. Y-CLEA	(803) (803) (803)
AARS. AARS.	TIME 4 SECONOS; SYMBOLIC RELOCATABLE RELOCATABLE RELOCATABLE RELOCATABLE RELOCATABLE RELOCATABLE RELOCATABLE
	COBOL, COMPILATION TIME TOPDAM CANDS CODE RE PRINT CODE RE FRORT CODE RE DATAAT CODE RE DCOMSS CODE RE

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DATA DIVISION.
FILE SECTION.
FILE SECTION.
FOR DICT-TAPE LABEL RECORD OMITTED DATA RECORD DICT-ENTRY.
O1 DICT-ENTRY.
O2 DT-ALPHA PICTURE XXXXXXX.
O2 DT-ADLR PICTURE XXXXXXX.
O2 DT-TITLE PICTURE XXXXXXX.
O2 DT-TITLE PICTURE XXXXXXX.
O2 DT-TITLE PICTURE XXXXXXX.
FD PRINT LABEL RECORD DMITTED DATA RECORD PRINT-LINE.
O1 PRINT-LINE PICTURE X1323.
FD CARGE LABEL RECORD STANDARD VALUE OF ID IS
'NAVY FATH DATA' DATA RECORD IS WORK-CARD BLOCK CONTAINS
                                          IDENTIFICATION DIVISION,
PROGRAM-ID, TOP-DOWN-PRINT-ROUTINE,
AUTHOR, ROBT RITTER
ENVIRONMENT DIVISION,
CONTIGURATION SECTION,
SOURCE-COMPUTER, UNIVAC-1108,
INPUT-SULPUT SECTION,
FILE-CONTROL,
SELECT DICT-TAPE ASSIGN TO UNISERVO H,
SELECT CARDS ASSIGN TO UNISERVO F
SELECT CARDS ASSIGN TO UNISERVO F
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                                 10146145
10146145 6ABC COB TPPRT, TPPRT
COBOL UCC VERSION 2
COMPILED ON - 27 JUN 69 AT 1014
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SYST',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPEN OUTPUT PRINT,
PERFORM CLEAR-ARRAY VARYING TALLY FROM 1 BY 1 UNTIL TALLY
CREATER THAN 4000,
OPEN INPUT DIGT-TAPE,
HOVE 0 TO TI-CNT,
PERFORN TAPE-INPUT VARYING TALLY FROM 1 BY 1 UNTIL TALLY
CREAT-TARM 4000,
CLOSE DIGT-TARM 4000,
CLOSE DIGT-TARM 4000,
CLOSE DIGT-TARM 4000,
CLOSE DIGT-TARM 4000,
CREAD-SPACE TO DATA-LINE1, DATA-LINE2,
HOVE 8PACE TO DATA-LINE1, DATA-LINE2,
OPEN INPUT CARDS.
READ-DATA-CARDS SECTION,
RDC1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01 HEADI,
02 M3 PICTURE X(47) VALUE SPACE,
02 M4 PICTURE X(59) VALUE
1COND ALT SENSITIVITY BY FLIGHT PHASE IN PERCENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RDC1-1,
IF TESTER EQUAL 99 READ CARDS AT END GO TO END-RUN,
IF END-FLAG EQUAL 999 GO TO END-RUN,
IF END-FLAG EQUAL 999 GO TO END-RUN,
HOVE WORK-CARD TO WORK-CARD1,
PERFORM HUC-LINE,
PERFORM PATH-LINE,
PERFORM PATH-LINE VARYING TALLY FROM 3 BY 1 UNTIL TALLY
GREATFR THAN 8,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ï
                                                                                                                                                                                                                                                                       FILER PICTURE X(9),
DALPHA FICTURE X(7)88,
DALPHA-TITLE PICTURE X(27)88,
DK-FAC FICTURE XXXX88,
DALT-SYSTEM PICTURE XXXXX88,
DSENS OCCURS 9 TIMES PICTURE ZV9988,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ALPHA TITLE
                                                                                                                                                                                                                                                 OZ CCON-FAC PICTURE XXXX,
OZ CSENS PICTURE X OCCURS 9 TIMES,
OZ PATH-COMP PICTURE X,
OZ CAND-NOL PICTURE 89,
WORK-CANDZ,
OZ MYUMCZ OCCURS 11 TIMES,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        READ CARDS AT END GO TO END-RUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           02 Hi Picture x(58) value
1 MUC | ALPHA | ALPHA
02 Hz Picture x(59) value
1 FM PH1 PH2 PH3 PH4 PH5
                                                                                                                                                                                    DWUC PICTUME X17188,
DHUC-ALPHA PICTUME XXXXX
DWUC-AOLM PICTUME X88,
DWUC-YITLE PICTUME X127),
                                                                                                     03 MF2 PICTURE XXXXX
03 MF2LR PICTURE X,
FILLER PICTURE X,
CANDANGE PICTURE 99,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROCEDURE DIVISION,
PO.
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IF WEI(TALLY) EQUAL SPACE GO TO PL-EXIT,

HOVE WFI(TALLY) TO FAIR,

HOVE WFI(TALLY) TO FAIR,

HOVE WFUNCI(TALLY) TO DALPMA,

HOVE WEUNCI(TALLY) TO DALPMA,

HOVE OF TO ANF,

FERFORM FIND-AIRD TO DALPMA-TITLE,

ADD 1, TALLY GIVING TALLY1,

IF WEI(TALLY1) NOT EQUAL SPACE AND TALLY1 LESS THAN 10 GO TO PL2,

READ CARDS AT END MOVE 999 TO TESTER,

IF WEI(TALLY1) NOT EQUAL SPACE AND FILAC,

IF WESTER EQUAL 2

MRITE PRINT-LINE FROM DATA-LINE2,

IF TESTER EQUAL 2

MRITE PRINT-LINE FROM DATA-LINE2,

IF TESTER EQUAL 2

HOVE SPACE TO DATA-LINE2,

IF TESTER EQUAL 2

HOVE SPACE TO DATA-LINE2,

IF TESTER EQUAL 2

HOVE SPACE TO DATA-LINE2,

IF TESTER EQUAL 2

HOVE SPACE TO DATA-LINE2,

IF TESTER EQUAL 2

HOVE SPACE TO DATA-LINE2,

IF TESTER EQUAL 2

HOVE CALT-FUNC TO DALT-SYSTEM,

HOVE CALT-FUNC TO DALT-SYSTEM,

HOVE CCON-FAC TO DK-FAC,

PERFORM SENS-MOVE VARYING XX FROM 1 BY 1 UNTIL XX EQUAL 10,
                                                                                                                                                                 3 LINES
                                        MOVE WF1(2) TO FAL, DWUC-ALPHA,
MOVE WFLR(2) TO FALR, DWUC-ADLR,
HOVE O TO ANF,
PERFORM FIND-ALPHA,
IF AMF NOT EQUAL O MOVE SPACE TO DWUC-TITLE ELSE
NOVE DA-TITLE FODA-IND) TO DWUC-TITLE,
HOVE WF1(1) TO DWUC,
IF LINE-CNT GREATER TWAN 40 PERFORM MEAD-LINES,
WRITE PRINT-LINE FROM DATA-LIMES AFTER ADVANCING 3 L
MOVE SPACF TO PRINT-LIME, ASO 3 TO LINE-CNT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WRITE PRINT-LINE FROM DATA-LINEZ,
HOVE SPACE TO DATA-LINEZ,
ADD 1 TO LINE-CNT,
IF TESTER EQUAL 2 REA CARDS AT END GO TO END-RUN,
IF WCZ EQUAL SPACE MOVE 99 TO TESTER,
GO TO PL-FXIT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOVE 0 TO 222, ANF.
PERFORM FFS VARYING TLY FROM 103 BY 100 UNTIL 222
GREATFR THAN D.
IF TLY FQI'AL 201 MOVE 1 TO X ELSE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HOVE CRENS(XX) TO CONUI, PERFORM CONVERSIONI, HOVE CONV2 TO DSENS(XX),
                                                                                                                                                                                                 WL-EXIT.
EXIT.
PATH-LINE SECTION.
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